Allied Telesis™

PRODUCT CATALOGUE
2023/24

● NETWORK SMARTER

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Allied Telesis

Allied Telesis has been serving the network communications industry for over 30 years. Although the technology we design and build has evolved significantly over time, our hard-earned reputation for standards-based performance, product reliability, and value has remained a constant, highly respected by our customers and partners worldwide.

Our solution-based philosophy focuses on producing products that deliver value to our customers, supported by high-quality service and support. This approach has resulted in a vast and extensive customer base across the globe.

Allied Telesis is committed to continuous product enhancement. Therefore, please note that this catalogue may not fully represent all currently available products. Additionally, product offerings may vary by geographic region. Product specifications can change without notice, and while Allied Telesis makes every effort to ensure the accuracy of information presented in this catalogue, the company does not accept liability for errors or changes in the stated specifications.

For current product availability by region, full and complete product specifications and warranty information, please contact your regional sales manager or visit **AliedTelesis-asia.com.**

Environmental Policy

As a major industry developer and manufacturer of networking equipment, Allied Telesis is committed to providing our customers with products designed and built to the highest quality, while minimizing the impact to the environment during both manufacturing and product operation.

Our Philosophy

Allied Telesis recognizes the importance of protecting the global environment and promoting the conservation of biodiversity. We creatively utilize technology for sustainable social progress and environmental protection. Allied Telesis is committed to handing down a healthy global environment to the next generation.

For more information on our initiatives please visit **AlliedTelesis.com**/about.eco-friendly

NETWORK SMARTER

Allied Telesis Solutions

Autonomous WAN optimization with Intent-based control

Easy visual monitoring and management of the entire network VISTA MANAGER EX

AMF Plus provides centralized control and network automation for zero-touch management

AWC WAM Easy visual management of wireless devices

VISTA MANAGER EX

AMF Plus

AWC Channel Blanket (single-channel) wireless enables seamless roaming around the entire building

Head office

VISTA MANAGER mini

DB Linkage

VISTA MANAGER APL

MultiG Multi-Gigabit supports high-speed Wi-Fi 6

AWC

PoE++ PoE plus PoE connects and powers APs over ethernet

AWC WAM 3D wireless floor and heat maps provide visibility and performance monitoring

AWC SAC AWC Smart Activation autonomously turns APs on and off for maximum performance and coverage

AWC SC

TQ Series

AWC

AWC CB

AWC self-tuning automatically optimizes the Wi-Fi environment

AWC SC AWC Smart Connect for plug-and-play wireless network expansion

AWC

AMF Plus

AWC CB AWC Channel Blanket provides seamless wireless roaming

1 month ago

AWC VAS Visualization of past radio conditions

AMF
Cloud

Public Cloud
SaaS

Cloud UTM

Wide area
ethernet

Flexible network management

Carrier service
NGN

5G/LTE

Easy management for medium
size networks
VISTA MANAGER Network Appliance

Remote working

VPN Connection

AMF Security protects the LAN from internal malware threats

AMF
Plus

AMF
SEC

AMF
Master

Branch office

AWC

AWC
SC

AMF
Plus

AMF
SEC

AMF
Master

Branch office

AWC

AWC
SC

Easy management for small size networks
VISTA MANAGER mini

Customer Experiences

Intent-based operation by Network AI

Analyze ▶ **Apply**

Collect

Learn

ATI Network
AI Engine

Cyber Security
Threat Detection & Response
Application Integration

Management
Command-less Operation
Vendor-agnostic
Management

Event-Driven Self-Managed Network

LAN
Auto Network, Provisioning,
Traffic Visibility & Recovery

WAN
Application-based Load-Balancing
Based on VPN Configuration & Traffic
Control

WLAN
Autonomous Wave Optimization
Visualization of Connections &
Devices

Data-Driven Self-Managed Network

**Third Party Cyber
Security Integration**

**Network
Performance
Monitoring**

**Network
Route (Path)
Navigation**

**Auto
Network Policy
Management**

Wired Technology

Administering a network is no easy feat.

Rapid troubleshooting and the ability to monitor network performance are critical. Allied Telesis offers software tools to help visualize and plan for network growth while maintaining the health and performance of your network. Allied Telesis understands that enterprise customers want simplicity, security, and automation. Customers are well-placed to enjoy a variety of network automation tools that make networking easy. Our powerful network management solutions deliver many benefits at an affordable price.

Intent-Based Networking (IBN) promises to deliver more agile networks that are easier to manage, as administrators move away from esoteric device-specific command lines and instead use natural language or a graphical interface to express their intent. Device and network configurations are then automatically updated to meet the expected outcomes in performances and application operation.

Supporting the move to IBN, centralized management and network automation tools remove the need for constant administrative input, and the network becomes self-managing and self-healing, resulting in an improved online experience for users and greatly reduced management time and effort.

AMF Plus AUTONOMOUS MANAGEMENT FRAMEWORK PLUS

AMF PLUS

NETWORK AI ENGINE FOR WIRED DEVICES

AMF Plus is an intelligent and scalable network management platform. It supports Allied Telesis switching, firewall, and wireless products, as well as a wide range of third-party devices - for truly inclusive intelligent network. Reducing network running costs by automating and simplifying manual day-to-day tasks, AMF Plus allows skilled staff to be better utilized in higher value tasks.

AUTONOMOUS MANAGEMENT FRAMEWORK (AMF)

▶ **Centralized management** of many or all devices right across the network - locally or worldwide.

▶ **Network automation** , with zero-touch or one-touch backup, provisioning, upgrade, and recovery.

▶ **Network intelligence** reacts to changes in the network and automatically changes the topology.

Business Value Through Automation

AMF Plus delivers immediate value to businesses of all sizes, with centralized network management able to treat a network of any size as a single, converged entity. This reduces cost and complexity by delivering:

▶ **Health Monitoring** displays the overall health conditions of the network devices (wired and wireless).

▶ **Smart ACL** is a user-friendly GUI-based tool for configuration changes to access-control lists.

▶ **Intent-based QOS** is a user-friendly GUI-based tool for configuration changes to QOS queues.

Health Monitoring
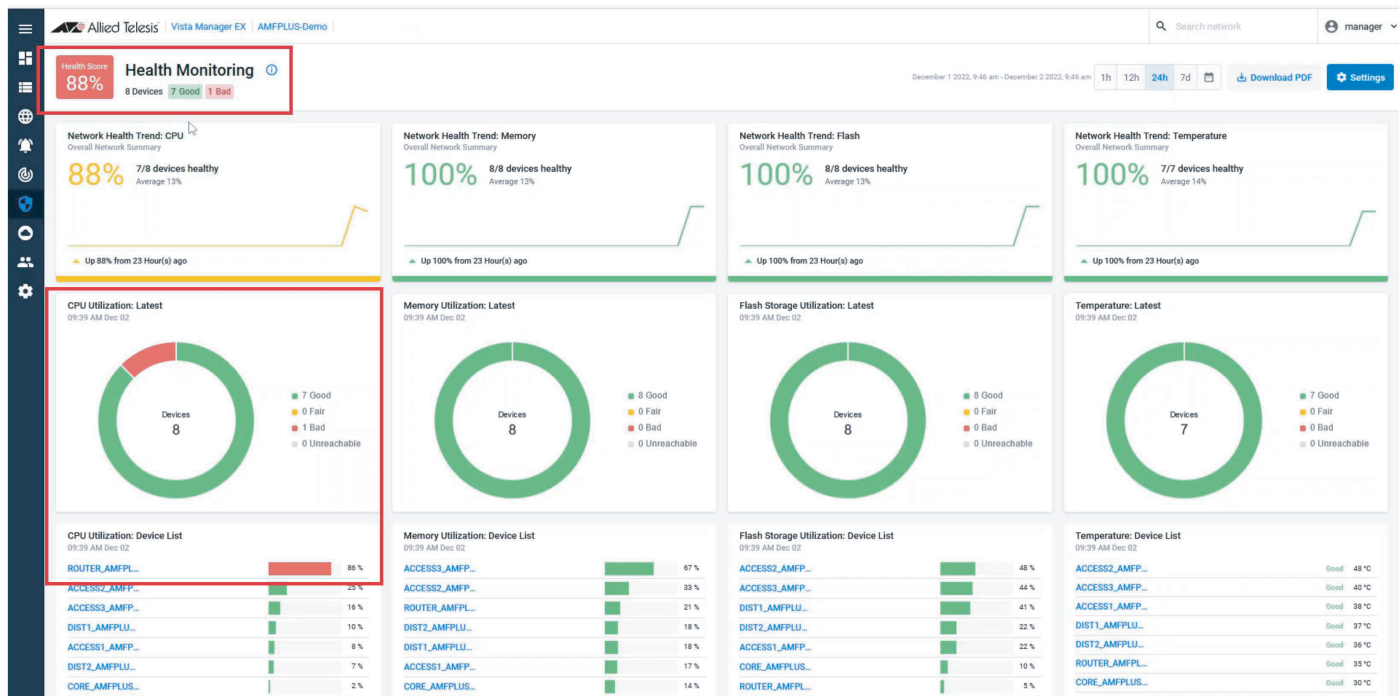
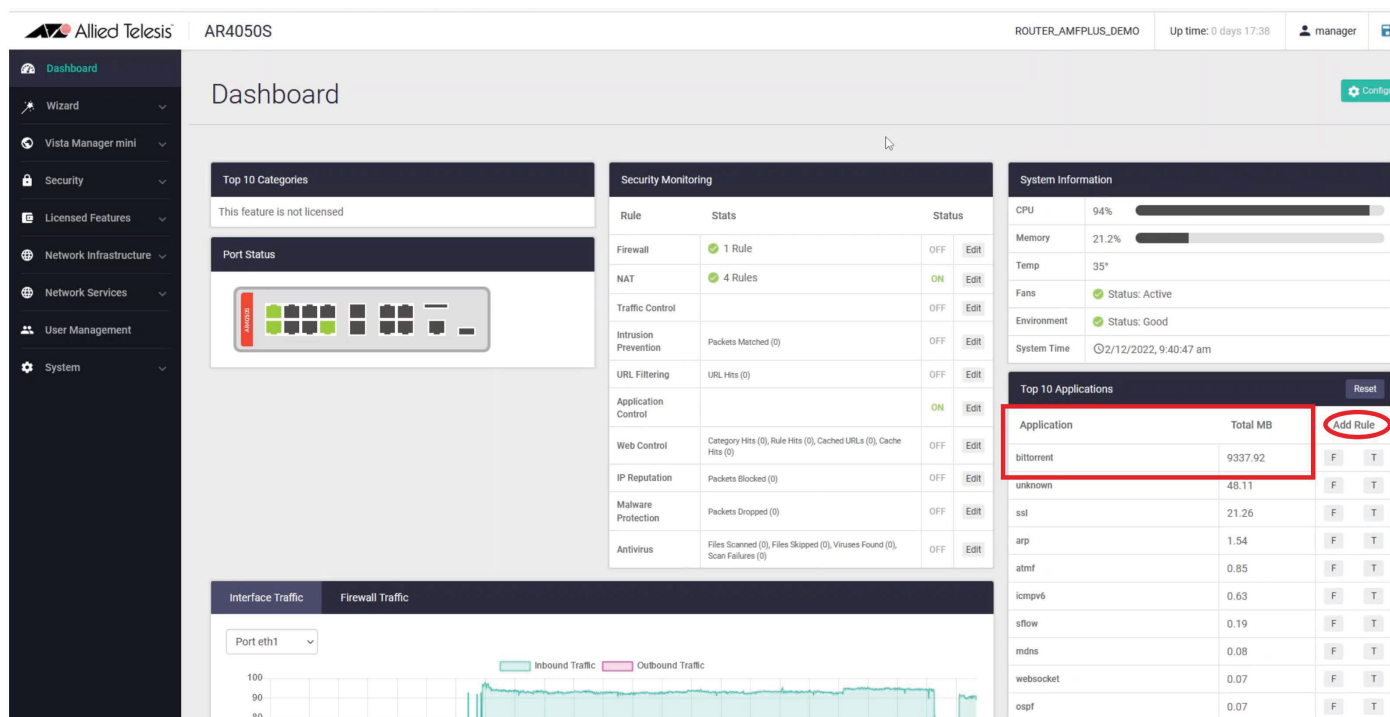**1** Centralized Dashboard shows the overall health conditions of the network devices (Wired and Wireless)

NETWORK AI ENGINE FOR WIRED DEVICES
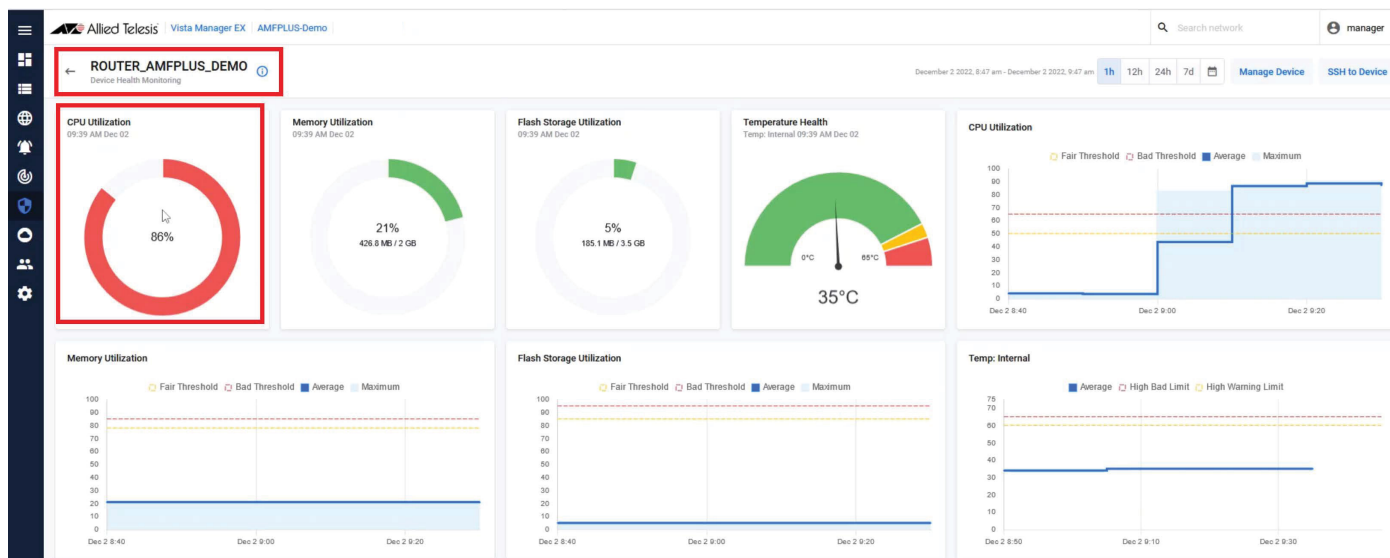
2 Zoom into Device-level view of network issue

3 Problem Identification & resolution tools in the same Management Dashboard

NETWORK AI ENGINE FOR WIRED DEVICES

4 Create Firewall rule to block unwanted application
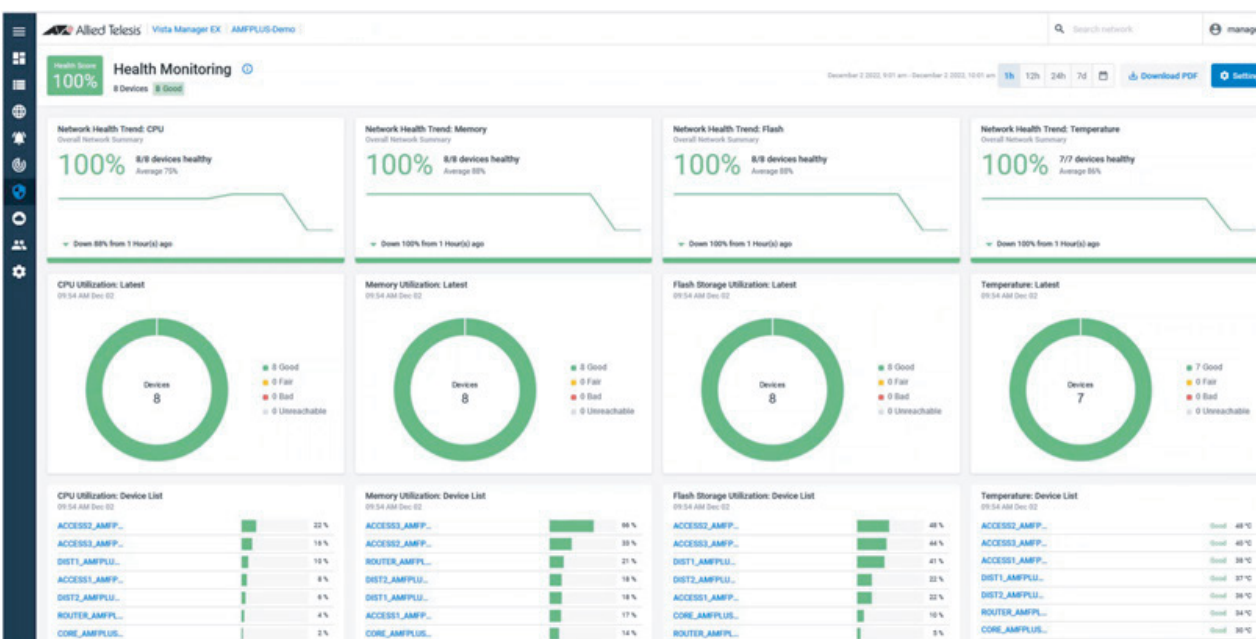
5 Problem Resolved

NETWORK AI ENGINE FOR WIRED DEVICES

Smart Access Control List (ACL)

GUI-based management tool

The configuration tool provided by Allied Telesis is user-friendly, simplifying changes in contrast to the command-line approach, which is more complex due to administrators needing to recall all existing access-control lists. This reduction in complexity lowers the risk of human errors that could potentially lead to downtime.
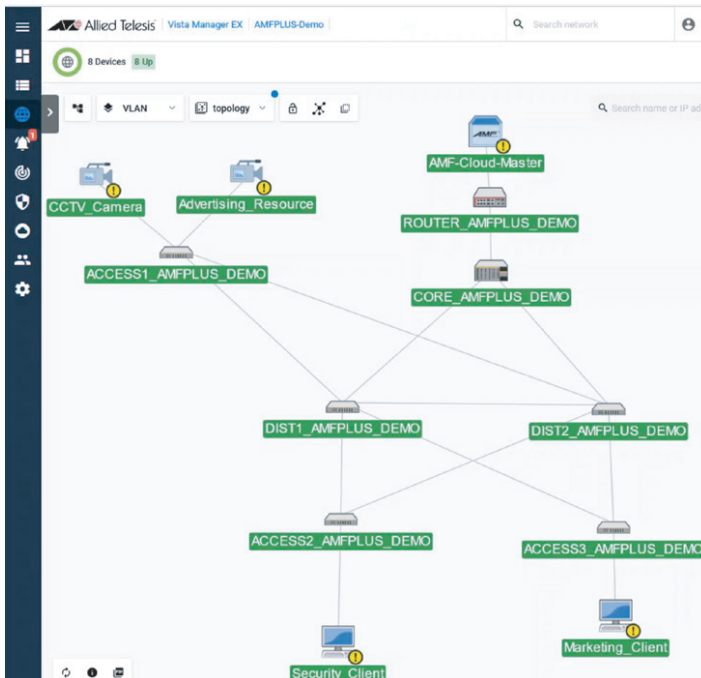
1 Centralized Dashboard displays topological and Device-level views

2 GUI-based configurator for ACL instead of Command Line (CLI)

NETWORK AI ENGINE FOR WIRED DEVICES

3 Reduces Human Errors which is very common in modifying ACLs

NETWORK AI ENGINE FOR WIRED DEVICES

Intent-based Quality of Service (QoS)

GUI-based management tool

The configuration tool provided by Allied Telesis visually displays all configured queues within the network. Administrators are not required to remember these configured queues or use the Command-Line Interface (CLI) for cross-checking, simplifying the process of making changes. This tool helps to reduce human errors that could potentially lead to downtime.
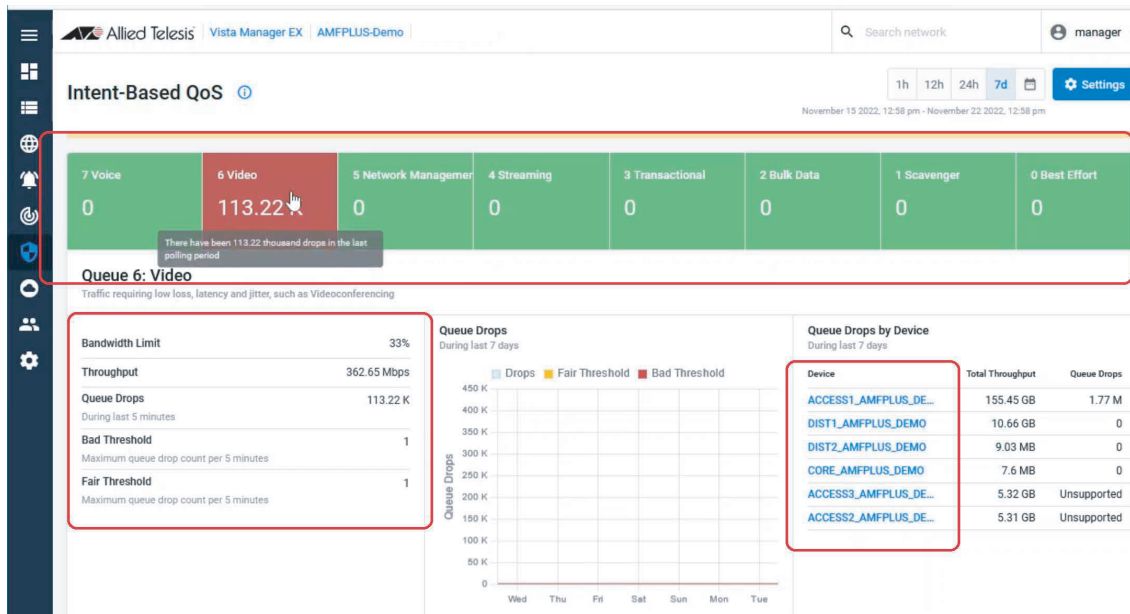
① Dashboard displays QOS queues in GUI format at Device, Port and Queue level views
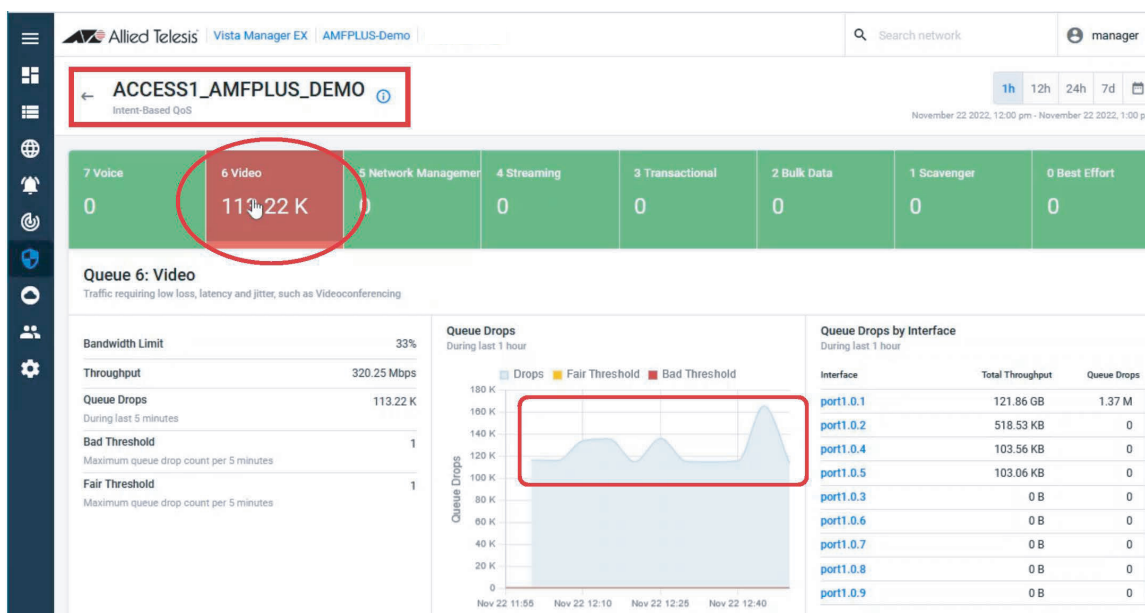
② Easy to understand and identify issues in the Queues at Device-level

NETWORK AI ENGINE FOR WIRED DEVICES
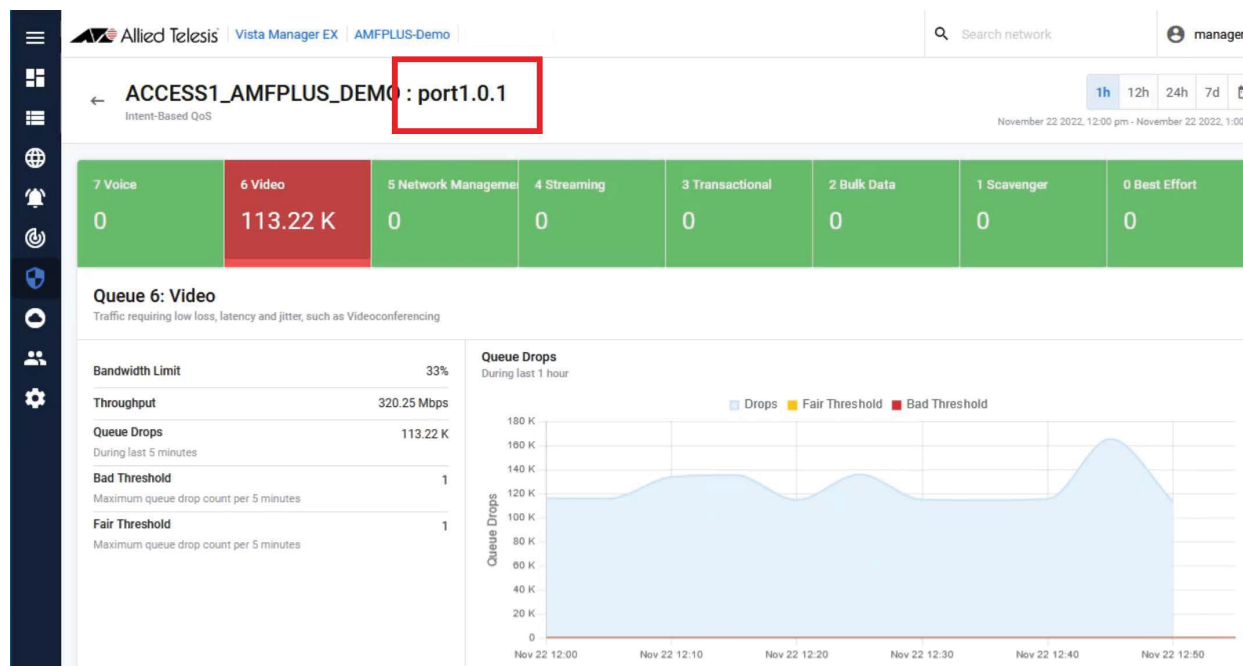
3 Queues shown at Port-level
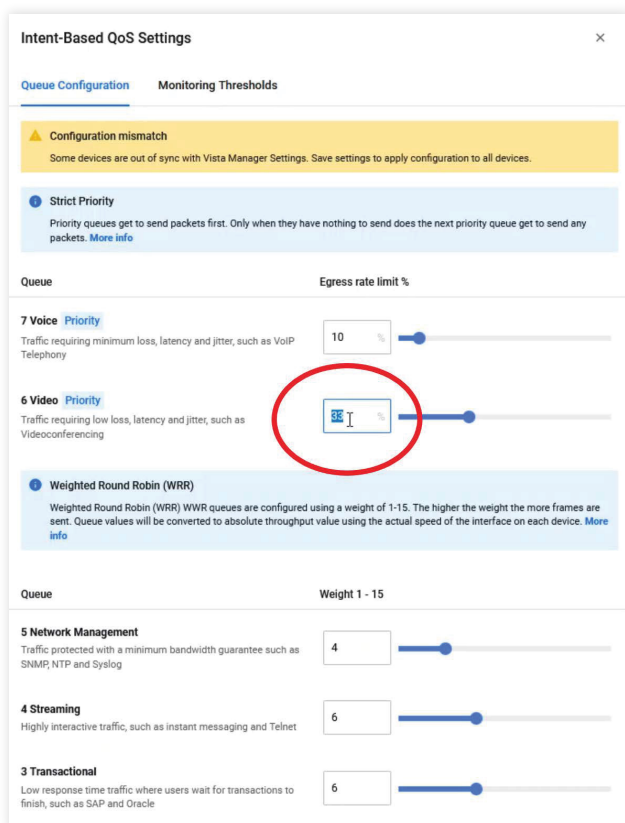
4 Changes to Queue Weights easily instead of Command Line (CLI)

Wireless Technologies

Support the growing demands of your network with our innovative, high performance wireless solutions.

The broad portfolio of Allied Telesis wireless products provides customers with high performance and low operating costs. Optimized for deployment across most environments, Allied Telesis wireless solutions are ideal for every application — from offices to classrooms, from distributed retail stores to large hospitals and campuses, and from warehouses to convention centers and sports arenas/stadiums. Advanced software features and a broad range of accessories meet the demands of SOHO to enterprise-class networks.

AWC

NETWORK AI ENGINE FOR WIRELESS DEVICES

Allied Telesis AWC is an advanced network technology that utilizes Artificial Intelligence (AI) to deliver significant improvements in wireless network connectivity and performance while reducing deployment and operating costs. AWC regularly analyses coverage gaps and Access Point (AP) interference, and automatically optimizes the Wi-Fi network to deliver a high-quality user experience that responds to network configuration changes, and bandwidth demands from wireless devices.

No Compromise Wi-Fi

Commonly used multi-channel wireless APs offer high throughput, but complex deployment and radio interference can reduce overall effectiveness. Single channel wireless networks provide reliable roaming, but lesser throughput.

Our world-first hybrid Wi-Fi solution enables multi-channel and single-channel wireless connectivity on the same APs for maximum performance where you need it, and seamless roaming for critical applications. Unified management of the hybrid APs by AWC enables self-optimization of the entire wireless network with no administrator input.

AWC-CB Channel Blanket

AWC Channel Blanket utilizes the same radio channel for all access points, forcing the wireless controller to manage overlapping and interfering channels. The use of a single channel minimizes the access point placement issues and implements a roaming free network. The clients are always connected to the same virtual access point independently from the physical access point.

AWC-SC Smart Connect

AWC Smart Connect takes wireless automation to another level, with simple plug-and-play deployment requiring only a power connection to grow your wireless network. Our advanced APs communicate with each other wirelessly for optimal throughput back to the wired network.

Wireless Controllers

Centrally manage an innovative Allied Telesis wireless solution with the AWC plug-in for Vista Manager EX, our single-pane-of-glass graphical network management tool. Or for smaller networks, AWC-Lite is built right into the Device GUI that runs on a number of our switches, firewalls, and routers.

Enjoy the power of AWC for industry-leading Wi-Fi optimization, automation, and performance.

Wireless Controllers

NETWORK AI ENGINE FOR WIRELESS DEVICES

Realtime WI-FI Comfort-level Visualization

Overall scoring , comfort parameters , connection logs

The Centralized Dashboard shows the overall comfort level of wireless devices instead of the entire wireless network. This scoring, based on 5 parameters, is more realistic and better than Heat Maps. It gathers a large amount of data collected and analyzes it with Artificial Intelligence (AI) to provide this scoring result when the administrator pinpoints the floor map.
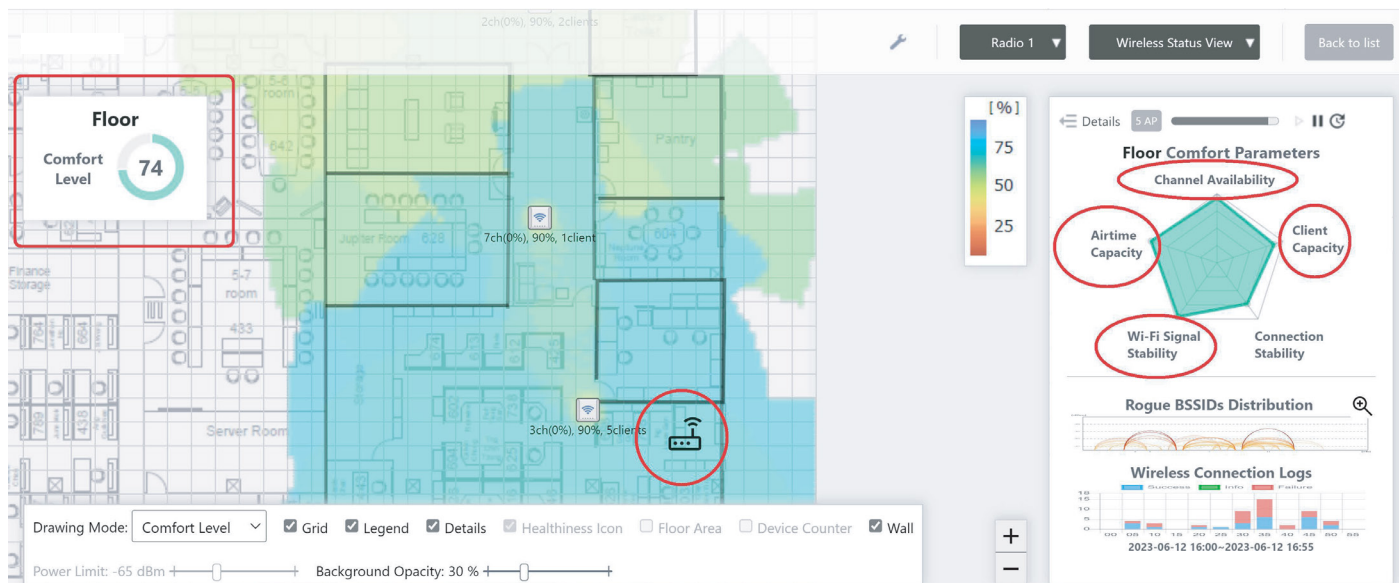
Visualize AP deployment with wireless floor map where administrators can pin point onto it with the mouse , and shows the wireless comfort levels on the right side.
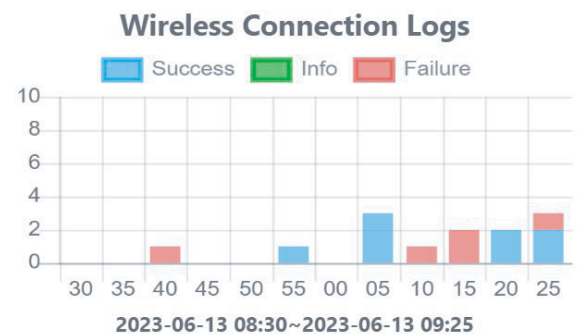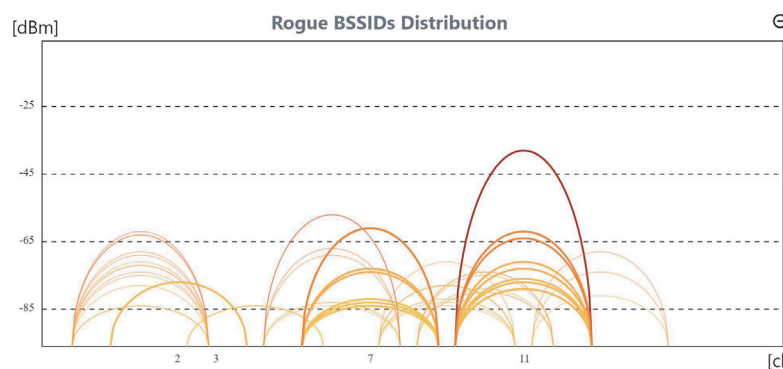
It also presents more details of the wireless conditions to the administrators such as BSSID radio distributions and wireless connection logs.

NETWORK AI ENGINE FOR WIRELESS DEVICES

Integrated Problem Identification and Resolution Tools

Administrators can easily launch the WI-FI configuration tool to make changes from the same Dashboard, after identifying where is the cause of the problem.
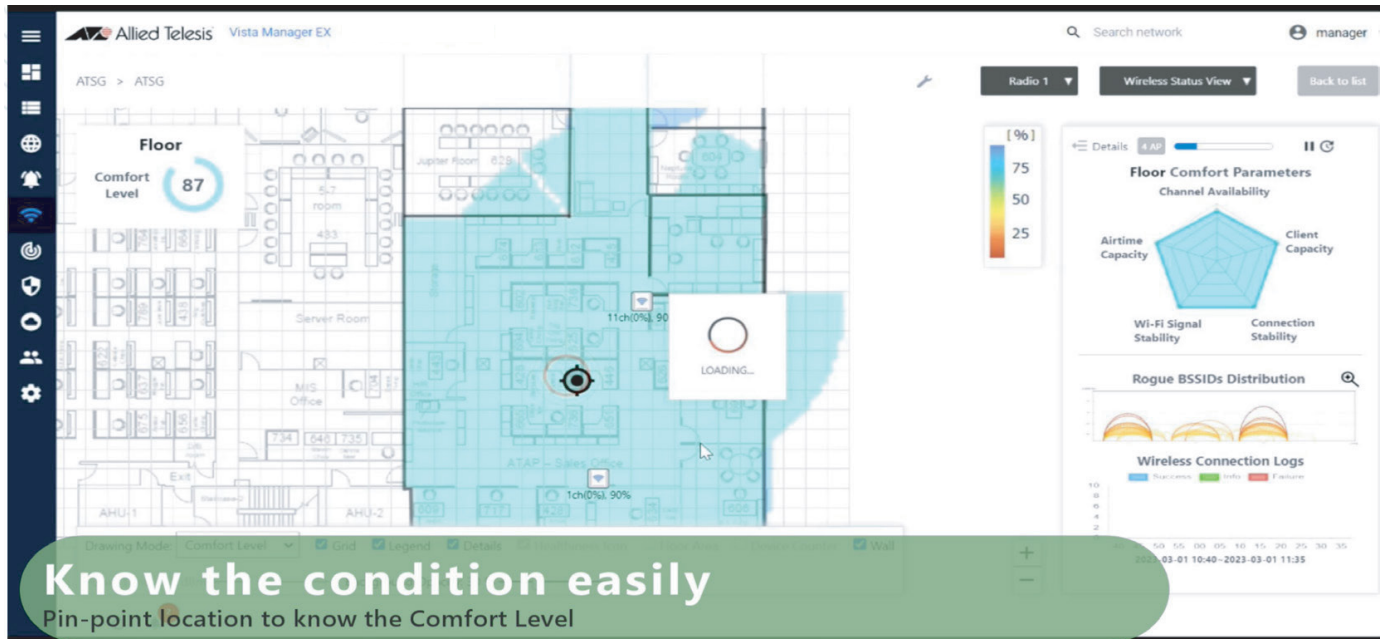
Easily identify WI-FI issue with pin-pointed location on floor map
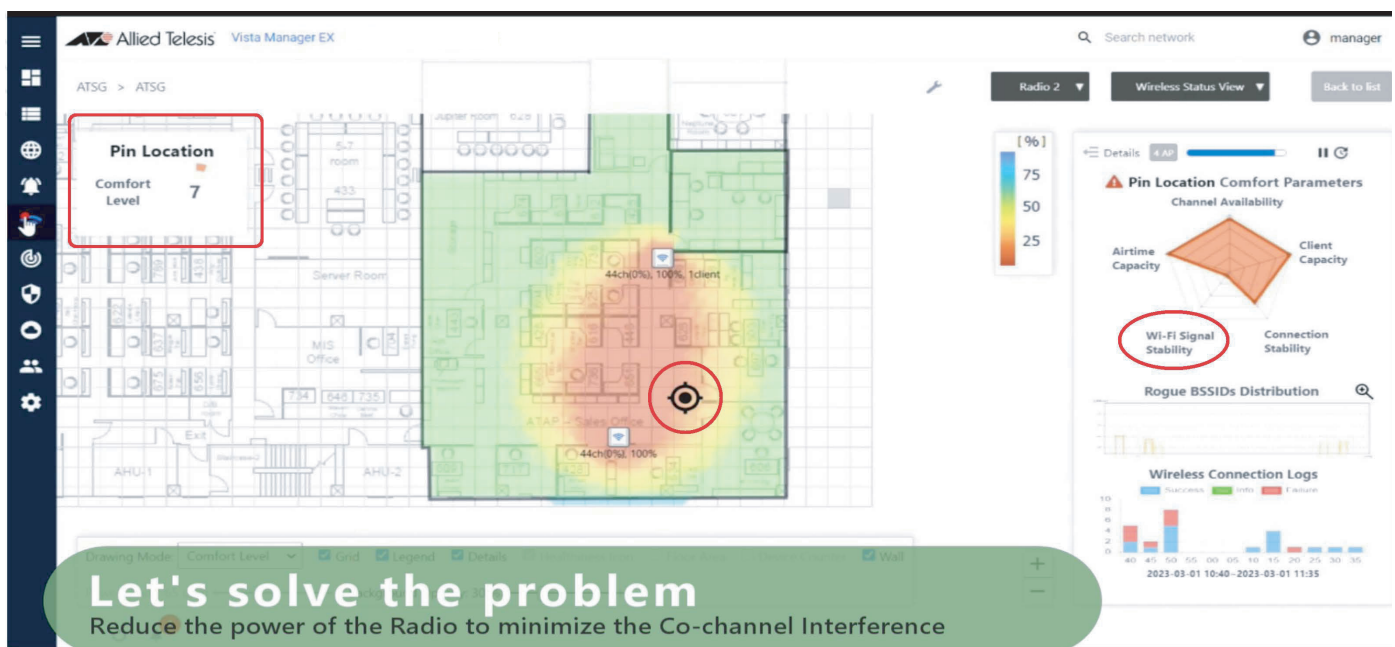
Resolve problem within the same Dashboard

NETWORK AI ENGINE FOR WIRELESS DEVICES

Vector-based Location Detection

Most accurate device attribute and location detection using WLAN

The detection attributes include Username, client movement traceability, and current location. We provide the most accurate location detection up to a 1-meter distance from the access point (AP). Movement historical data can be stored for a duration ranging from 1 week to 1 year.
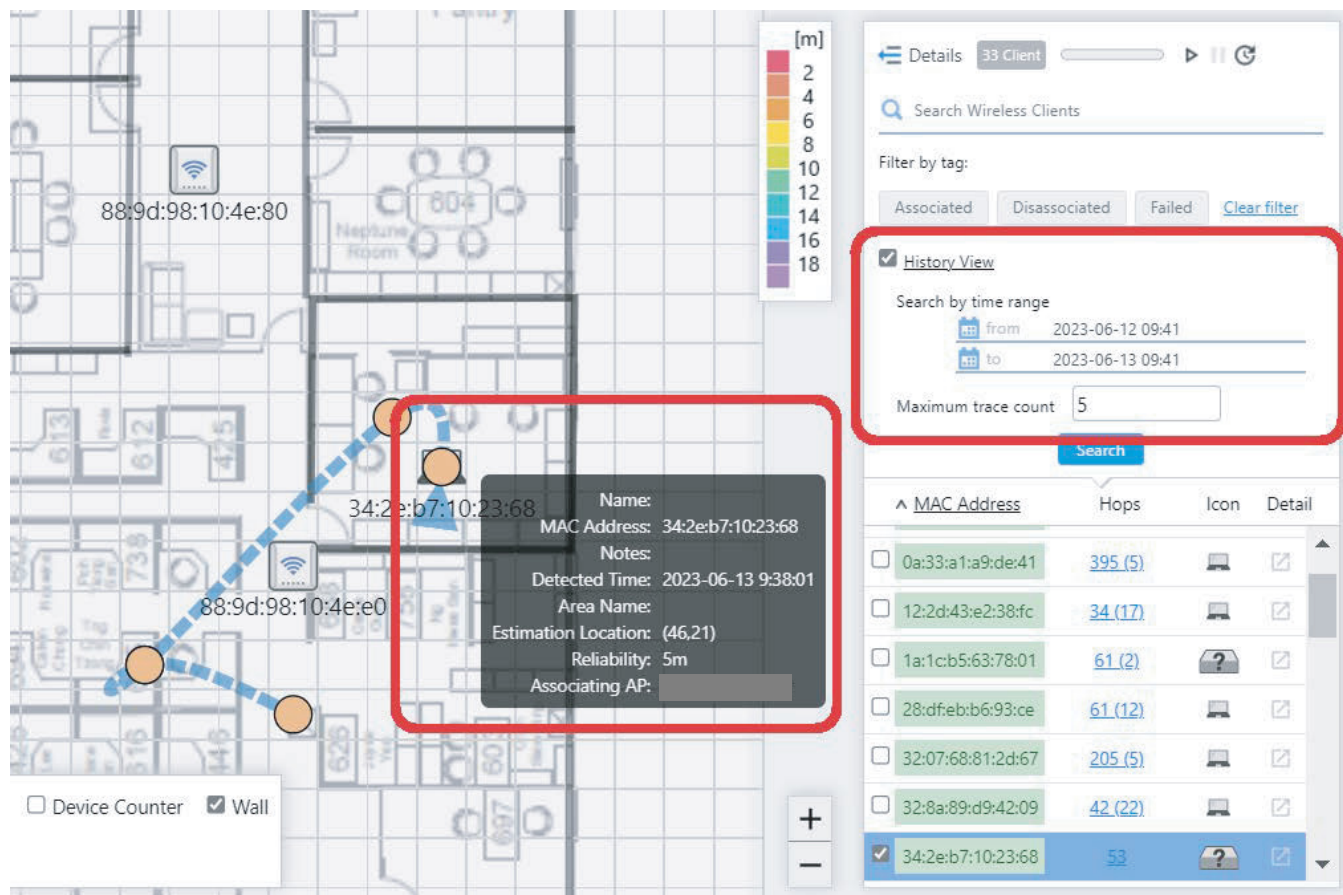
Highest accuracy of Client location detection using WLAN and details of client device information

NETWORK AI ENGINE FOR WIRELESS DEVICES

Vector-based Location Detection
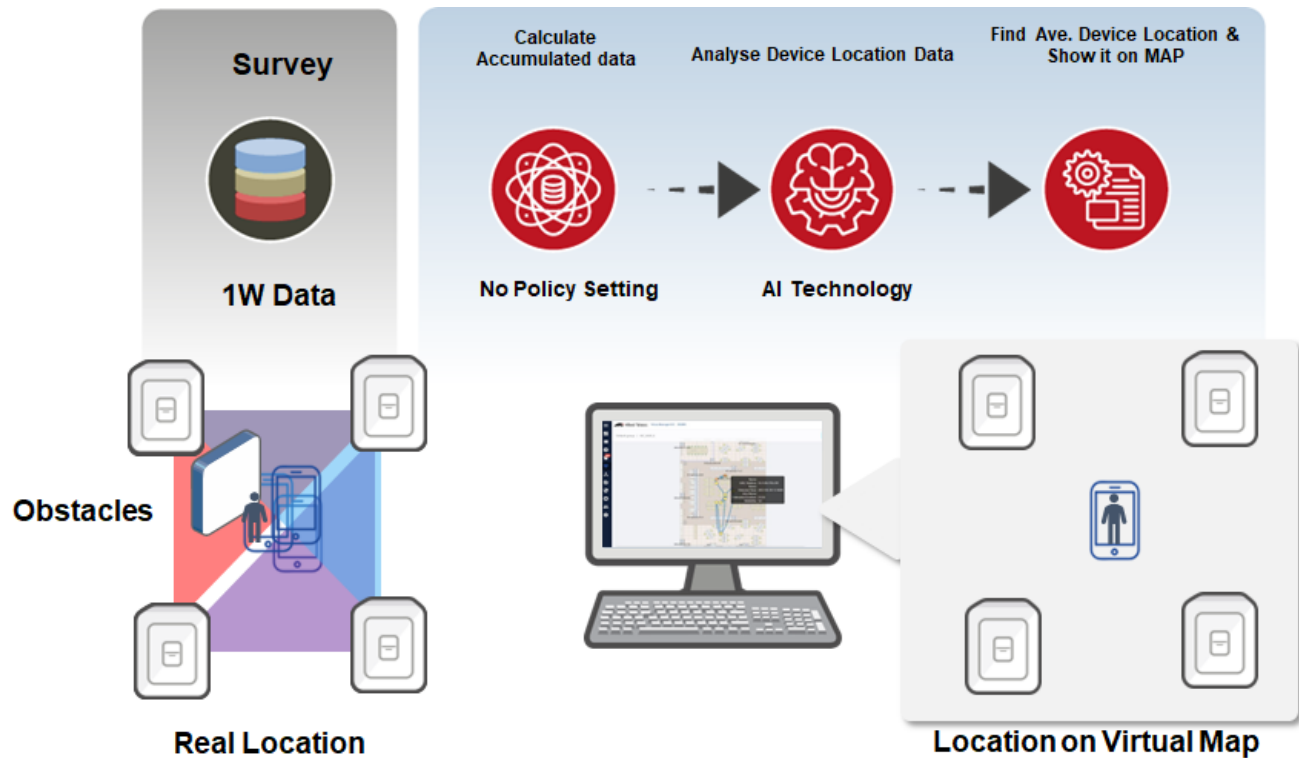
Leverage on AI for more precise device location detection using WLAN

AMF Security

ENHANCE NETWORK SECURITY AND REDUCE ADMINISTRATION EFFORT

AMF Security (AMF-Sec) is a state-of-the-art network management and security solution. It provides what enterprises need: reduced network management costs, increased security, and an improved end-user experience. Our award-winning innovative solution works with the best-of-breed industry security vendors to instantly respond to malware alerts and block the movement of threats anywhere within your wired or wireless network, and can also automate network access control.

▶ **Automatic security threat isolation and remediation**
▶ **Blocks any offending wired or wireless user device**
▶ **Secure user authentication and control of network access**
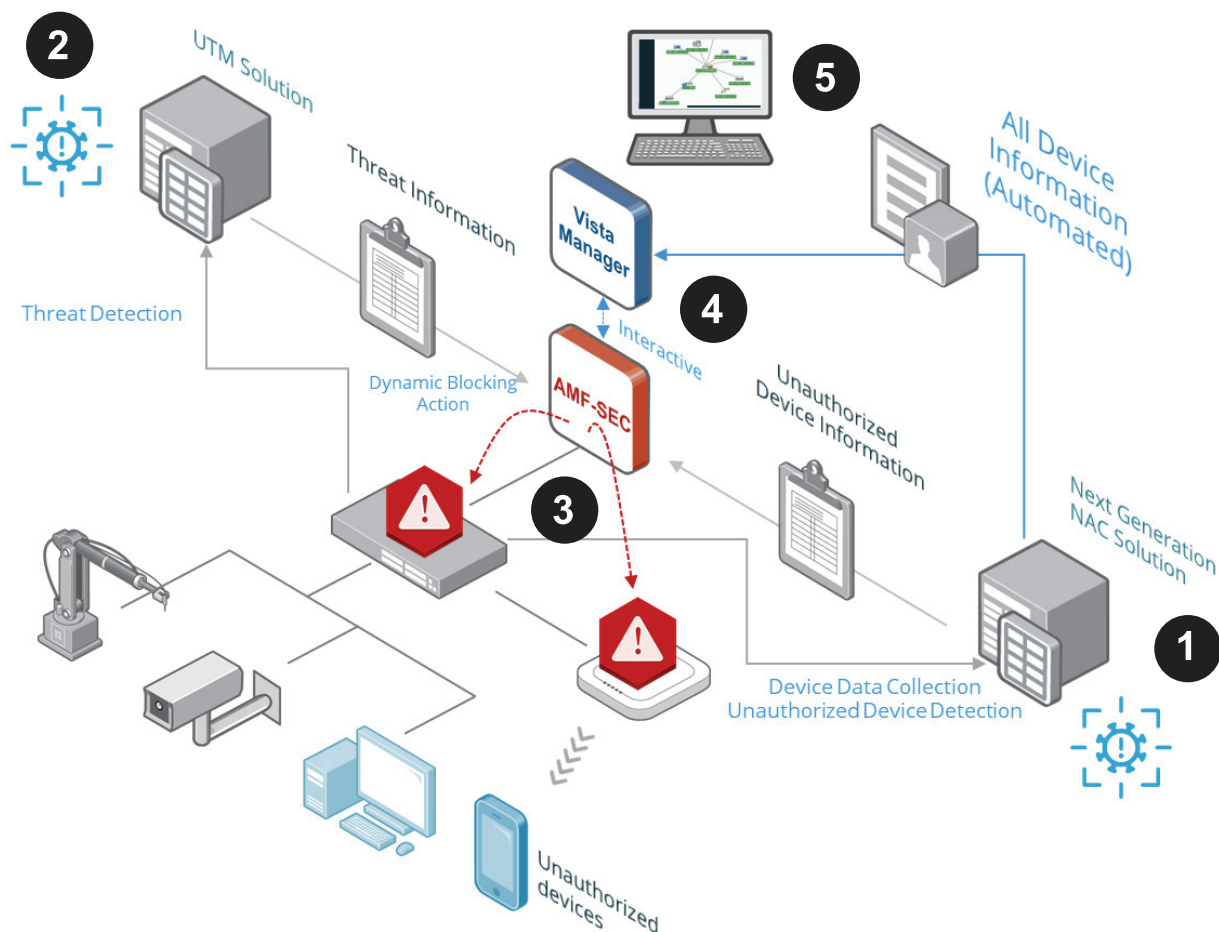
1 Network Access Control (NAC) collects all device information and detect unknown/unmanaged devices.

2 UTM Firewall detects malware in the system.

3 AMF–SEC provides dynamic blocking action on wired/wireless network devices.

4 AMF–SEC unifies the cybersecurity policies and deploys them through GUI-based tools.

5 Vista Manager provides events information (Device information & Blocking Action) on single network map

VISTA Manager

UNIFIED NETWORK MONITORING AND MANAGEMENT

Allied Telesis Vista Manager makes networking easy. We seamlessly integrate network automation tools into a single-pane-of-glass monitoring and management platform, offering three Vista Manager options to suit any network size, whether campus-wide, city-wide, or even worldwide. Intuitive access, visual status updates, and actionable security and performance reporting of wired, wireless, and third-party devices reduce costs and complexity. Let Allied Telesis remove technology obstacles and enable your network to fully support your business.

VISTA MANAGER™EX

VISTA MANAGER™
NETWORK APPLIANCE

VISTA MANAGER™MINI

SEAMLESSLY INTEGRATED AUTOMATION TOOLS

Our Autonomous Management Framework Plus (AMF Plus) and Autonomous Wave Control (AWC) automate and optimize the operation of wired and wireless networks. SNMP and integration with Forescout, support easy third party device discovery and management - while the SD-WAN Orchestrator enables secure application delivery across all business locations.

▸ Intuitive single-pane-of-glass interface
▸ Centralized network and device management
▸ Manage Allied Telesis switches, firewalls, wireless APs, as well as third-party devices
▸ Automatically created topology maps
▸ Real-time traffic, protocol, and service monitoring
▸ Simplified VLAN creation and management
▸ Integrated security alerts from the AMF Security controller
▸ Secure SD-WAN dashboard for inter-branch network optimization
▸ AMF Plus intent-based features enable translating business intent into dynamic network change
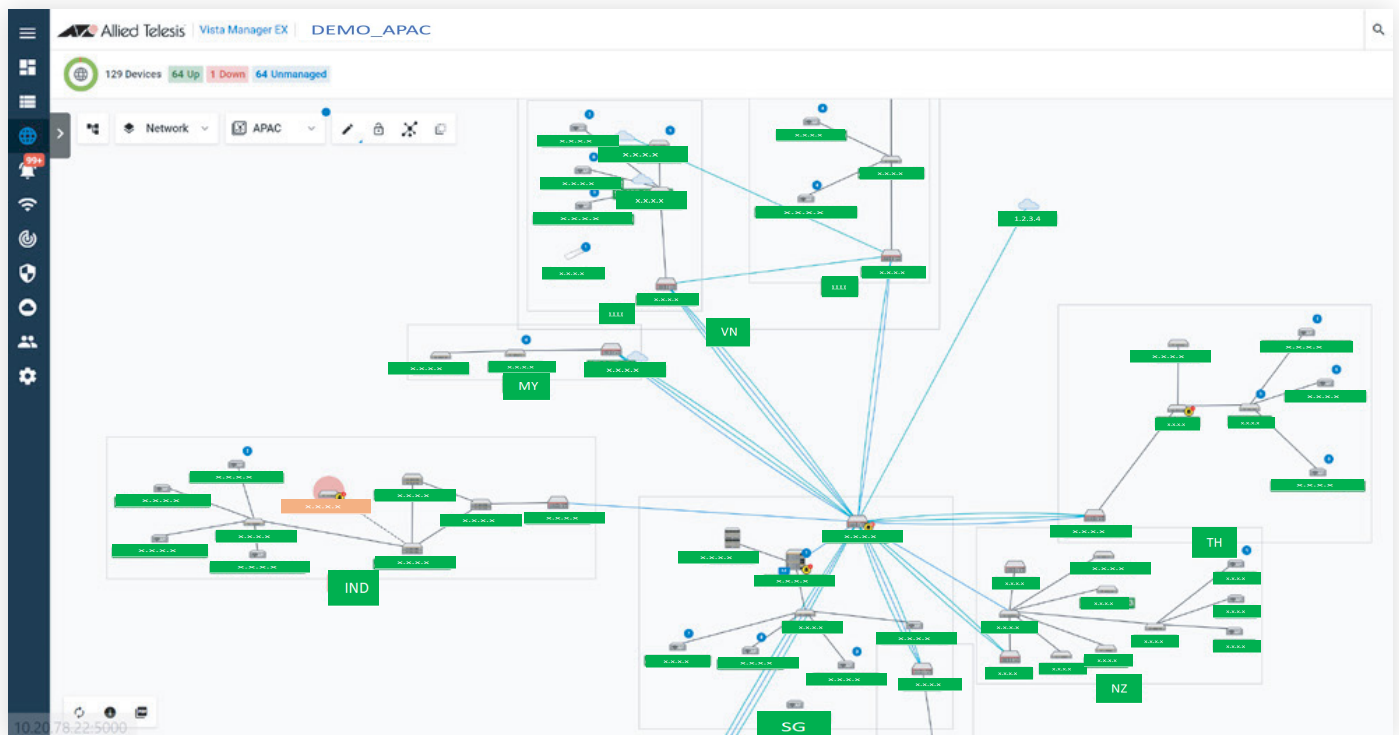
VISTA Manager

VISTA MANAGER™ EX   VISTA MANAGER™ NETWORK APPLIANCE   VISTA MANAGER™ MINI

Asset Management of full devices including 3rd Party vendors
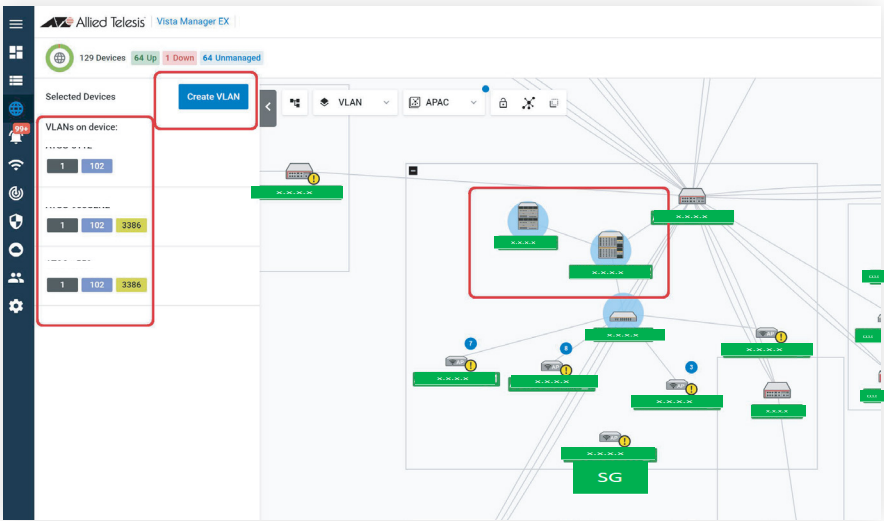
GUI presentation of VLAN configurations

VISTA Manager

VISTA MANAGER™

**Unified Management Platform
built with AI**

AMF PLUS

LAN Network AI Engine

AWC

WLAN Network AI Engine

AMF-WAN

WAN Network AI Engine

Single Platform

Easily manage
your entire network

**Plug-in Module
Architecture**

Easy to install
in your network

**Flexible API-Based
Integration**

Easy integration
with other systems

VISTA Manager

VISTA MANAGER SERIES

	Vista Manager Mini on Router	Vista Manager Mini on L3SW	Vista Manager APL	Vista Manager EX
NETWORK SIZE	Small	Small-Medium	Medium-Large	Large
INSTALLATION	Built in AR 2010V – AR4050S AR4050S-5G(*)	Built in x530 & x530L/x550/x930/x950 & SBx908GEN2	Hardware (Appliance Box)	Software
MULTI-LOCATION SUITABILITY	LAN	LAN	LAN & WAN	LAN & WAN
AWC WIRELESS DEVICES	Max. 25 (AR4050S/-5G(*))	Max. 305 (SBx908GEN2)	Max. 500	Max. 3,000
UNIFIED CONFIGURATION OF MULTI-APS	Yes	Yes	Yes	Yes
AUTO CHANNEL SURVEY	Yes	Yes	Yes	Yes
AUTO RADIO & CHANNEL CONFIGURATION	Yes	Yes	Yes	Yes
FLOOR MAP	Yes	Yes	Yes	Yes
WIRELESS DEVICE TRACKING	NA	NA	Yes (Only Associated client list)	Yes
AWC-CB	Only AR4050S/-5G(*)	Yes	Yes	Yes
AWC-SC	Only AR4050S/-5G(*)	Yes	Yes	Yes

* AR4050S-5G is pending to acquire Radio Cert for certain country, pls refer the release note for available regions
**x530L doesn`t support any AWC supported feature.

Functions	Vista Manager Mini	Vista Manager APL	Vista Manager EX
NETWORK SIZE	Small-Medium	Medium-Large	Large
INSTALLATION	Built in Routers & L3SWs	Hardware (Appliance Box)	Software
MULTI-LOCATION SUITABILITY	LAN	LAN & WAN	LAN & WAN
REDUNDANCY	Yes	No	No
BASIC LICENCES	Limited AWC & Vista (Annual License) included in Routers and Switches AWC: 5 AP	Vista Manager EX-Base Licence (Permanent License) included in Appliance Box	Vista Manager EX-Base Licence (Annual License)
OPTION LICENSES			
AMF Plus	Available for AR4050S/-5G(*) and over x530/L	Available	NA (Available for VST-VRT)
AWC	Available for AR4050S/-5G(*) and over x530	Available	Available
AWC-CB/AWC-SC	Available for AR4050S/-5G(*) and over x530	Available	Available
AMF-WAN	NA	Available	Available
AMF-SEC	Available for AR4050S /-5G(*) and x950	Available	NA (Available for VST-VRT)
SNMP PLUG IN	NA	Available	Available

Caution: Vista Manager Mini`s Limitation will be different depending on the network device's capacity.
*AR4050S-5G is pending to acquire Radio Cert for certain country, pls refer the release note for available regions
**x530L doesn`t support any AWC supported feature.

VISTA Manager

VISTA MANAGER SERIES

Limitations	Vista Manager Mini	Vista Manager APL	Vista Manager EX
AMF WIRED DEVICE	Max. 300	Max. 300	Max. 3,000
AMF NETWORK	1	1	1
AWC MANAGED AP*	Max. 305 (SBx908GEN2)	Max. 500 *	Max. 3,000
MANAGED CLIENTS UNDER WIRELESS NETWORK	Max. 12,000 (SBx908GEN2)	Max. 3,000	Max. 18,000
MANAGED APS UNDER 1 AWC-CB CHANNEL	Max. 100	Max. 100	Max. 100
MANAGED CLIENTS UNDER 1 AWC-CB CHANNEL	Max. 500	Max. 500	Max. 500
AP AUTO RECOVERY	NA	Available	Available
DISPLAY ROGUE AP	NA	Available	Available
CLIENT LOCATION ESTIMATION / TRAFFIC MANAGEMENT ON AWC-CB	NA	NA	Available
SNMP 3RD PARTY DEVICE	NA	Max. 1,000	Max. 2,000
AMF-SEC MANAGED NETWORK DEVICES FOR "BLOCK" ACTION ACTION TYPES: BLOCK / QUARANTINE / LINK SHUTDOWN / REDIRECT	Max. 22 / Wired (with AR4050S/-5G(**) AMF Plus Master) Wireless (Latest 2.2.1)	Max. 300 / Wired (Max 1AMF Master) Wireless (Latest 2.3.0)	Max. 600 / Wired (Max 4AMF Master) Wireless (Latest 2.2.0)
MANAGED SECURITY POLICIES	Max.500	Max.5,000	Max.5,000
TRAFFIC / PROTOCOL MONITORING	NA	Available	Available
AUTOMATED VLAN CREATION	NA	Available	Available

Caution: Vista Manager Mini`s Limitation will be depending on the network device's capacity.
*Maximum of 100 APs each for TQm series
** AR4050S-5G is pending to acquire Radio Cert for certain country, pls refer the release note for available regions.

VISTA Manager

VISTA MANAGER SERIES

Limitations	Vista Manager Mini on Router	Vista Manager Mini on Switch	Vista Manager APL	Vista Manager EX
AMF Plus MASTER	Available for AR4050S/-5G(*) **AT-RT-APM5-1YR/5YR**	Available **AT-SW-APM10-1YR/5YR**	Available **AT-AMFCLOUD-PLUS-BASE-1YR/5YR as a base license** **AT-AMFCLOUD-PLUS-EXxx-1YR/5YR as an additional license**	NA (Need AMF Plus Cloud software)
VISTA MANAGER BASE	Available Built in device	Available Built in device	Available Built in device	Available **AT-FL-VISTA-BASE-1YR/5YR**
AWC	Available for AR4050S/-5G(*) **AT-RT-AWC5-1YR/5YR**	Available **AT-SW-AWC10-1YR/5YR**	Available **AT-FL-VISTA-AWC10-1YR/5YR**	Available **AT-FL-VISTA-AWC10-1YR/5YR**
AWC-CB*1 AWC-SC*1	Available for AR4050S/-5G(*) **AT-RT-CB5-(1YR/5YR)-2022** (Need AWC license)	Available **AT-SW-CB10-(1YR/5YR)-2022** (Need AWC license)	Available **AT-FL-VISTA-CB10-(1YR/5YR)-2022** (Need AWC license)	Available **AT-FL-VISTA-CB10-(1YR/5YR)-2022** (Need AWC license)
SNMP	NA	NA	Available **AT-FL-VISTA-SNMP-1YR/5YR**	Available **AT-FL-VISTA-SNMP-1YR/5YR**
AMF SEC	Available for AR4050S/-5G(*) **AT-FL-AR4-ASEC-1YR/5YR** (Need AMF Master)	Available for x950 **AT-FL-x950-ASEC-1YR/5YR** (Need AMF Application proxy and AMF Master)	Available **AT-FL-AMFSec-BASE10-(1YR/5YR)** as a base license **AT-FL-AMFSec-ADD10-(1YR/5YR)** as an additional license	NA (Need AMF SEC software)
AMF SEC APPLICATION PROXY MASTER	Included **AT-FL-AR4-ASEC-1YR/5YR**	Available for x950 **AT-FL-x950-AAP-1YR/5YR**	Included **AT-AMFCLOUD-PLUS-BASE-1YR/5YR as a base license**	NA (Need AMF Cloud software)

ORK SMARTER

Switches

Feature-rich, dependable switching - from edge to core.

Allied Telesis engineers high-performance, high-quality, future-proof products to meet requirements for enterprise, campus, branches, private cloud networks of various sizes, and industrial automation and control networks.

Allied Telesis SwitchBlade® and xSeries switches, with the AlliedWare Plus™ operating system, provide scalable and versatile switching solutions for today's enterprise and service provider networks from edge to core. These switches, featuring Allied Telesis Autonomous Management Framework Plus (AMF Plus), decrease network operating expenses by automating and simplifying many day-to-day tasks. Allied Telesis also produces top-of-rack switches for the enterprise data center market, hardened equipment suitable for automation and control in multiple industrial sectors, and unmanaged and WebSmart switches for small and medium business.

Core Chassis Switches

SWITCHBLADE

SwitchBlade x908 GEN2

Following on from the incredible success of the SwitchBlade x908, the Generation 2 builds on the popular modular design, with performance to satisfy the most demanding network applications and traffic requirements.

Expansion modules (XEMs) support today's fastest Ethernet standards, with 100G, 40G and 10G/1G options, as well as Multi-Gig options that can connect at 2.5G and 5G to support high-speed wireless and network upgrades over legacy cabling. The ability to use any combination of XEMs, as well as stack up to four units, make the SwitchBlade x908 GEN2 the most flexible and powerful 3RU switching solution available.

SwitchBlade x8100 Series

The SwitchBlade x8100 Series core chassis switches are primarily engineered for medium to large enterprise networks — but are equally at home in the enterprise data center. They are designed to deliver high availability, maximum performance, future scalability, and high port count in compact, eco-friendly packages.

FEATURES		SBx908 GEN2	SBx8112	SBx8106
FORM FACTOR		Rackmount / stack	Rackmount	
SWITCH FUNCTIONALITY		Advanced Layer 3	Advanced Layer 3	
CONTROLLER CARD			CFC960 v2	
CHASSIS MODULE SLOTS		8	12	6
LINE CARD SLOTS			10	4 (5 with one CFC)
CARDS/MODULES	10/100/1000T ports		24 × RJ-45 (SBx81GT24) 24 × PoE+ (SBx81GP24) 8 x RJ-45 (SBx81XLEM + GT8)	
	100/1000X SFP ports		24 × SFP (SBx81GS24a) 12 x SFP (SBx81XLEM)	
	1/2.5/5/10G ports	4 x 1/2.5/5/10G RJ-45 (XEM2-8XSTm) 12 x 1/2.5/5/10G RJ-45 (XEM2-12XTm)		
	1G/10G ports	4 x 1G/10G SFP+ (XEM2-8XSTm) 12 x 1G/10G SFP+ (XEM2-12XS v2)	4 x RJ-45 (SBx81XLEM + XT4)	
	10G ports		8 x SFP+(SBx81XLEM + XS8)	
	40G ports	4 x 40G QSFP+ (XEM2-4QS)	2 x 40G QSFP+ (SBx81XLEM + Q2)	
	100G ports	1 x 100G QSFP28 (XEM2-1CQ)		
POWER SUPPLY	PSU type	Dual hot-swappable internal	Dual system hot-swappable internal Dual PoE+ hot-swappable internal	
	-48vDC PSU option	■	■	
	Additional PSU	SBxPWRSYS2	SBxPWRSYS2 / SBxPWRPOE1	
SCALABILITY	MAC address table size	96K	32K / 128K	
	Stacking (VCStack)	■ (4)	■ (2)	
	Stacking bandwidth	400G	160G	
POWER OVER ETHERNET	IEEE 802.3at (PoE+)		■	
	PoE+ enabled ports		240	120
	Max PoE+ power		2400W	
	Max full power ports (30W)		80	
ENVIRONMENTAL	Cooling	Hot-swappable fan modules	Hot-swappable fan tray	
	Temperature range	0°C to 50°C	0°C to 40°C	
MANAGEMENT	Web GUI	■	■	
	CLI / Telnet / SNMP	■	■	
	IPv6 management	■	■	
	DHCPv4 / v6 server	■	■	
	AMF Master	■	■	
	AMF Controller	■	■	
	Vista Mini	■		
	AWC wireless	■		
NETWORK RESILIENCE	Spanning Tree	■	■	
	Link aggregation (LACP)	■	■	
	EPSRing	■	■	
	ISSU		■	
	VRRPv3	■	■	
QoS	IEEE 802.1p priority queues	8	8	
SECURITY	IEEE 802.1Q VLANs	4K	4K	
	RADIUS / TACACS+	■	■	
	SSH / SSL	■	■	
	IEEE 802.1x	■	■	
	DoS protection	■	■	
	DHCP snooping	■	■	
ROUTING	Static routes v4 / v6	■	■	
	RIP / RIPng	■	■	
	OSPFv2 / v3	■	■	
	VRF Lite	■	■	
	Policy-based routing	■	■	
	BGP4 / BGP4+	■	■	
MULTICASTING	IGMPv1 / v2 / v3	■	■	
	MLDv1 / v2	■	■	
	PIMv4 / PIMv6	■	■	
	PIM-SSM	■	■	

SwitchBlade x908 GEN2 Components

▶ **SBx908 GEN2**
High capacity Layer 3+ modular switch chassis with 8 x high-speed expansion bays, fans included

▶ **SBxPWRSYS2**
Hot-swappable load-sharing power supply

▶ **SBxPWRSYS1-80**
1200W DC system power supply

▶ **FAN08**
Spare hot-swappable fan module

▶ **XEM2-8XSTm**
4 x 1/2.5/5/10G RJ-45 ports and 4 x 1G/10G SFP+ ports

▶ **XEM2-12XTm**
12 x 100M/1/2.5/5/10G RJ-45 ports

▶ **XEM2-12XS v2**
12 x 1G/10G SFP+ ports

▶ **XEM2-4QS**
4 x 40G QSFP+ ports

▶ **XEM2-1CQ**
1 x 100G QSFP28 port

▶ **FL-GEN2**
Please refer to the product datasheet for the full list of licenses
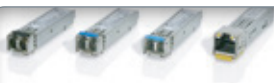
SwitchBlade x8100 Series Components

▶ **SBx8106**
Rackmount 6-slot chassis including fan tray

▶ **SBx8112**
Rackmount 12-slot chassis including fan tray

▶ **SBx81CFC960 v2**
Control/fabric module with 960Gbps of switching performance and 4-port 10GbE SFP+

▶ **SBx81GT24**
24-port 10/100/1000T Ethernet line card

▶ **SBx81GP24**
24-port 10/100/1000T PoE+ Ethernet line card

▶ **SBx81GS24a**
24-port SFP Ethernet line card

▶ **SBx81XLEM**
Modular 40G line card with 12 x 100/1000X SFP

▶ **SBx81XLEM/XS8**
8 x 10G SFP+ module for the SBx81XLEM line card

▶ **SBx81XLEM/Q2**
2 x 40G QSFP+ module for the SBx81XLEM line card

▶ **SBx81XLEM/XT4**
4 x 1/10G RJ-45 module for the SBx81XLEM line card

▶ **SBx81XLEM/GT8**
8 x 10/100/1000T RJ-45 module for the SBx81XLEM line card

▶ **SBxPWRSYS2**
1200W AC system power supply

▶ **SBxPWRSYS1-80**
1200W DC system power supply

▶ **SBxPWRPOE1**
1200W AC PoE+ power supply

▶ **FL-CFC**
Please refer to the product datasheet for the full list of licenses

SFP/SFP+ Optics

Learn more about Allied Telesis pluggable optics on pages 44–47.

x950 Series & x550 Series

Allied Telesis x950 & x550 Series switches are ideal for high-performing modern enterprise network cores, with stacking to create a resilient local or distributed solution, and integrated management of wired and wireless network devices. These powerful switches have 100 Gigabit (x950 series) connectivity built-in, and are expandable, delivering the capacity to enable today's Smart City and IoT networks.

FEATURES		x950-28XSQ x950-28XTQm	x950-52XSQ x950-52XTQm	x550-18XSQ x550-18XTQ x550-18XSPQm
FORM FACTOR		Rackmount / stack	Desktop / rackmount / stack	Desktop / rackmount / stack
SWITCH FUNCTIONALITY		Advanced Layer 3	Advanced Layer 3	Advanced Layer 3
PORTS AND MEDIA SUPPORT	10/100/1000T ports	24 (1/2.5/5/10G) (XTQm)	48 (1/2.5/5/10G) (XTQ)	8 (1/2.5/5/10G) (XSPQm) 16 (1G/10G) (XTQ)
	1G/10G SFP+ ports	24 (XSQ)	48 (XSQ)	8 (XSPQm) 16 (XSQ)
	40G QSFP+ ports	4 (40G/100G)	4 (40G/100G)	2
	Expansion module bays	1		
	Ethernet mult-gigabit support	■ (XTQm)	■ (XTQm)	■
POWER SUPPLY	PSU type	Dual internal hotswap	Dual internal hotswap	Internal
	-48vDC PSU option	PWR600-80	PWR600-80	
	Additional PSU	PWR600	PWR600	
POWER OVER ETHERNET	IEEE 802.3af (PoE)			■ (XSPQm)
	IEEE 802.3at (PoE+)			■ (XSPQm)
	PoE-enabled ports			8 (XSPQm)
	Max PoE+ power			240W (XSPQm)
	Max full power PoE+ ports			8 (XSPQm)
	Continuous PoE			■ (XSPQm)
SCALABILITY	MAC address table size	96K	96K	16K
	Stacking (VCStack)	■ 8	■ 8	■ 4
	Long-distance VCStack	■ 8	■ 8	■ 4
	Stacking bandwidth	400G	400G	160G
ENVIRONMENTAL	Cooling	Fan	Fan	Fan
	Temperature range	0°C to 50°C	0°C to 50°C	0°C to 50°C
MANAGEMENT	Web GUI	■	■	■
	CLI / Telnet / SNMP	■	■	■
	IPv6 management	■	■	■
	DHCPv4 / v6 server	■	■	■
	AMF Master	■	■	■
	Vista Mini	■	■	■
	AWC wireless	■	■	■
NETWORK RESILIENCE	Spanning Tree	■	■	■
	Link aggregation (LACP)	■	■	■
	EPSRing	■	■	■
	VRRPv3	■	■	■
QoS	IEEE 802.1p priority queues	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K
	RADIUS / TACACS+	■	■	■
	SSH / SSL	■	■	■
	IEEE 802.1x	■	■	■
	DoS protection	■	■	■
	MACsec	■		
	DHCP snooping	■	■	■
ROUTING	Static routes v4 / v6	■	■	■
	RIP / RIPng	■	■	■
	OSPFv2 / v3	■	■	■
	BGP4 / BGP4+	■	■	■
	Policy-based routing	■	■	■
	VRF Lite	■	■	■
MULTICASTING	IGMPv1 / v2 / v3	■	■	■
	MLDv1 / v2	■	■	■
	PIMv4 / PIMv6	■	■	■
	PIM-SSM / PIM-SSMv6	■	■	■
SDN	OpenFlow	■	■	■

x930 Series

Allied Telesis x930 Series switches are a high-performing and feature-rich choice for today's networks. With a range of 24- and 48-port models with 10 Gigabit uplink ports, the option of PoE+, and the power of Allied Telesis Virtual Chassis Stacking (VCStack™), the x930 Series has the flexibility and performance for demanding aggregation and distribution applications.

SFP/SFP+ Optics
Learn more about Allied Telesis pluggable optics on pages 44-47.

FEATURES		x930-28GTX x930-28GPX	x930-28GSTX	x930-52GTX x930-52GPX
FORM FACTOR		Desktop / rackmount / stack	Desktop / rackmount / stack	Desktop / rackmount / stack
SWITCH FUNCTIONALITY		Advanced Layer 3	Advanced Layer 3	Advanced Layer 3
PORTS AND MEDIA SUPPORT	10/100/1000T ports	24	24 combo	48
	100/1000X SFP ports		24 combo	
	1G/10G SFP+ ports	4	4	4
	40G QSFP+ ports	2 (StackQS)	2 (StackQS)	2 (StackQS)
	Expansion module bays	1	1	1
POWER SUPPLY	PSU type	Dual internal hotswap	Dual internal hotswap	Dual internal hotswap
	-48vDC PSU option	PWR250-80	PWR250-80	PWR250-80
	Additional PSU	PWR150 PWR250 PWR800 PWR1200	PWR150 PWR250 PWR800 PWR1200	PWR150 PWR250 PWR800 PWR1200
POWER OVER ETHERNET	IEEE 802.3af (PoE)	■ (GPX)		■ (GPX)
	IEEE 802.3at (PoE+)	■ (GPX)		■ (GPX)
	PoE-enabled ports	24 (GPX)		48 (GPX)
	Max PoE+ power	720W (GPX)		1440W (GPX)
	Max full power PoE+ ports	24 (GPX)		48 (GPX)
	Continuous PoE	■ (GPX)		■ (GPX)
SCALABILITY	MAC address table size	64K	64K	64K
	Stacking (VCStack)	■ 8	■ 8	■ 8
	Long-distance VCStack	■ 8	■ 8	■ 8
	Stacking bandwidth	40G (SFP+) 160G (StackQS)	40G (SFP+) 160G (StackQS)	40G (SFP+) 160G (StackQS)
ENVIRONMENTAL	Cooling	Fan	Fan	Fan
	Temperature range	0°C to 45°C (GPX) 0°C to 50°C (GTX)	0°C to 50°C	0°C to 45°C (GPX) 0°C to 50°C (GTX)
MANAGEMENT	Web GUI	■	■	■
	CLI / Telnet / SNMP	■	■	■
	IPv6 management	■	■	■
	DHCPv4 / v6 server	■	■	■
	AMF Master	■	■	■
	Vista Mini	■	■	■
	AWC wireless	■	■	■
NETWORK RESILIENCE	Spanning Tree	■	■	■
	Link aggregation (LACP)	■	■	■
	EPSRing	■	■	■
	VRRPv3	■	■	■
QoS	IEEE 802.1p priority queues	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K
	RADIUS / TACACS+	■	■	■
	SSH / SSL	■	■	■
	IEEE 802.1x	■	■	■
	DoS protection	■	■	■
	MACsec	■	■	■
	DHCP snooping	■	■	■
ROUTING	Static routes v4 / v6	■	■	■
	RIP / RIPng	■	■	■
	OSPFv2 / v3	■	■	■
	BGP4 / BGP4+	■	■	■
	Policy-based routing	■	■	■
	VRF Lite	■	■	■
MULTICASTING	IGMPv1 / v2 / v3	■	■	■
	MLDv1 / v2	■	■	■
	PIMv4 / PIMv6	■	■	■
	PIM-SSM / PIM-SSMv6	■	■	■
SDN	OpenFlow	■	■	■

Distribution and Intelligent Edge

x530 Series

The Allied Telesis x530 Series are powerful Multi-Gigabit switches with high capacity, resiliency and easy management, making them the ideal choice for demanding distribution and high-speed connectivity applications.

FEATURES		x530-28GPXm x530-28GTXm	x530-28GSX (COMING SOON)	x530DP-28GHXm	x530-52GPXm x530-52GTXm
FORM FACTOR		Desktop / rackmount / stack	Desktop / rackmount / stack	Desktop / rackmount / stack	Desktop / rackmount / stack
SWITCH FUNCTIONALITY		Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3
PORTS AND MEDIA SUPPORT	10/100/1000T ports	24 (4 x 100M/1/2.5/5G)		24 (4 x 100M/1/2.5/5G)	48 (8 x 100M/1/2.5/5G)
	100/1000X SFP ports		24		
	1G/10G SFP+ ports	4	4	4	4
	Ethernet multi-gigabit support	■		■	■
POWER SUPPLY	PSU type	Dual fixed internal	Dual fixed internal	Dual hotswap	Dual fixed internal
POWER OVER ETHERNET	IEEE 802.3af (PoE)	■ (GPXm)		■	■ (GPXm)
	IEEE 802.3at (PoE+)	■ (GPXm)		■	■ (GPXm)
	IEEE 802.3bt (PoE++)			■ (60 Watts / port)	
	PoE-enabled ports	24 (GPXm)		24 (PoE++)	48 (GPXm)
	Max PoE+ power	740W (GPXm)		1480W	740W (GPXm)
	Max full power PoE+ ports	24 (GPXm)		24	24 (GPXm)
	Continuous PoE	■ (GPXm)		■	■ (GPXm)
SCALABILITY	MAC address table size	16K	16K	16K	16K
	Stacking (VCStack)	■ 8	■ 8	■ 8	■ 8
	Long-distance VCStack	■ 8	■ 8	■ 8	■ 8
	Stacking bandwidth	40G	40G	40G	40G
ENVIRONMENTAL	Cooling	Fan	Fan	Fan	Fan
	Temperature range	0°C to 50°C	0°C to 50°C	0°C to 65°C *	0°C to 50°C
MANAGEMENT	Web GUI	■	■	■	■
	CLI / Telnet / SNMP	■	■	■	■
	IPv6 management	■	■	■	■
	DHCPv4 / v6 server	■	■	■	■
	AMF Master	■	■	■	■
	Vista Mini	■	■	■	■
	AWC wireless	■	■	■	■
NETWORK RESILIENCE	Spanning Tree	■	■	■	■
	Link aggregation (LACP)	■	■	■	■
	EPSRing	■	■	■	■
	VRRPv3	■	■	■	■
QoS	IEEE 802.1p priority queues	8	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K	4K
	RADIUS / TACACS+	■	■	■	■
	SSH / SSL	■	■	■	■
	IEEE 802.1x	■	■	■	■
	DoS protection	■	■	■	■
	DHCP snooping	■	■	■	■
ROUTING	Static routes v4 / v6	■	■	■	■
	RIP / RIPng	■	■	■	■
	OSPFv2 / v3	■	■	■	■
	BGP4 / BGP4+	■	■	■	■
	Policy-based routing	■	■	■	■
	VRF Lite	■	■	■	■
MULTICASTING	IGMPv1 / v2 / v3	■	■	■	■
	MLDv1 / v2	■	■	■	■
	PIMv4 / PIMv6	■	■	■	■
	PIM-SSM / PIM-SSMv6	■	■	■	■
SDN	OpenFlow	■	■	■	■

x530 GHXm models

The Allied Telesis x530 GHXm models include options for dual hotswap PSUs to support high resiliency deployment. All models support PoE++ with either 60 or 90 Watts of PoE to connect and power today's high-power devices.

x530L Series

The Allied Telesis x530L Series stackable Layer 3 switches feature high capacity, resiliency and easy management, making them the ideal choice for network access applications feature-rich, and with PoE models to support security cameras, wireless APs, and more, ensures a versatile enterprise solution.

FEATURES		x530DP-52GHXm	x530-10GHXm x530-18GHXm	x530L-28GTX x530L-28GPX	x530L-52GTX x530L-52GPX	x530L-10GHXm x530L-18GHXm
FORM FACTOR		Desktop / rackmount / stack	Desktop / rackmount / stack	Desktop / rackmount / stack	Desktop / rackmount / stack	Desktop / rackmount / stack
SWITCH FUNCTIONALITY		Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3
PORTS AND MEDIA SUPPORT	10/100/1000T ports	48 (8 x 100M/1/2.5/5G)	8/16 (100M/1/2.5/5G)	24	48	8/16 (100M/1/2.5/5G)
	1G/10G SFP+ ports	4	2	4	4	2
	Ethernet multi-gigabit support	■				■
POWER SUPPLY	PSU type	Dual hotswap	Dual fixed internal	Dual fixed internal	Dual fixed internal	Fixed internal
POWER OVER ETHERNET	IEEE 802.3af (PoE)	■	■	■ (GPX)	■ (GPX)	■
	IEEE 802.3at (PoE+)	■	■	■ (GPX)	■ (GPX)	■
	IEEE 802.3bt (PoE++)	■ (60 Watts / port)	■ (90 Watts / port)			■ (90 Watts / port)
	PoE-enabled ports	48 (PoE++)	8/16	24 (GPX)	48 (GPX)	8/16
	Max PoE+ power	1480W	720W (10) 1000W (18)	740W (GPX)	740W (GPX)	500W (10) 720W (18)
	Max full power PoE+ ports	48	8/16	24 (GPX)	24 (GPX)	8/16
	Continuous PoE	■	■	■ (GPX)	■ (GPX)	■
SCALABILITY	MAC address table size	16K	16K	16K	16K	16K
	Stacking (VCStack)	■ 8	■ 8	■ 8	■ 8	■ 8
	Long-distance VCStack	■ 8	■ 8	■ 8	■ 8	■ 8
	Stacking bandwidth	40G	40G	40G	40G	40G
ENVIRONMENTAL	Cooling	Fan	Fan	Fan	Fan	Fan
	Temperature range	0°C to 65°C *	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C
MANAGEMENT	Web GUI	■	■	■	■	■
	CLI / Telnet / SNMP	■	■	■	■	■
	IPv6 management	■	■	■	■	■
	DHCPv4 / v6 server	■	■	■	■	■
	AMF Master	■	■	■	■	■
	Vista Mini	■	■			
	AWC wireless	■	■			
NETWORK RESILIENCE	Spanning Tree	■	■	■	■	■
	Link aggregation (LACP)	■	■	■	■	■
	EPSRing	■	■	■	■	■
	VRRPv3	■	■	■	■	■
QoS	IEEE 802.1p priority queues	8	8	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K	4K	4K
	RADIUS / TACACS+	■	■	■	■	■
	SSH / SSL	■	■	■	■	■
	IEEE 802.1x	■	■	■	■	■
	DoS protection	■	■	■	■	■
	DHCP snooping	■	■	■	■	■
ROUTING	Static routes v4 / v6	■	■	■	■	■
	RIP / RIPng	■	■	■	■	■
	OSPFv2 / v3	■	■	■	■	■
	BGP4 / BGP4+	■	■	■	■	■
	Policy-based routing	■	■	■	■	■
	VRF Lite	■	■			
MULTICASTING	IGMPv1 / v2 / v3	■	■	■	■	■
	MLDv1 / v2	■	■	■	■	■
	PIMv4 / PIMv6	■	■	■	■	■
	PIM-SSM / PIM-SSMv6	■	■	■	■	■
SDN	OpenFlow	■	■	■	■	■

* Refer to the installation guide for more information

x330 Series

The Allied Telesis x330 Series Layer 3 switches provide an excellent access solution supporting Gigabit to the desktop for maximum performance. Multi-Gigabit copper and 10 Gigabit fiber uplinks, plus a fanless design for silent operation, make them ideal for the edge of business networks. Stackable models add flexibility and enable deployment as a resilient small branch office network core.

x320 Series

Allied Telesis x320 Series provide an intelligent smart building solution, with the high power model (90Watts / port) matched with the PoE pass-through model to support building automation.

FEATURES		x330-10GTX	x330-20GTX	x330-28GTX	x330-52GTX	x320-10GH	x320-11GPT
FORM FACTOR		Desktop / rackmount	Desktop / rackmount	Desktop / rackmount	Desktop / rackmount	Rackmount / DIN rail	Rackmount / DIN rail
SWITCH FUNCTIONALITY		Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3
PORTS AND MEDIA SUPPORT	10/100/1000T	8	16	24	48	8	9
	100/1000X SFP ports					2	2
	1/2.5/5/10G copper ports	1	2	2	2		
	1G/10G SFP+ ports	1	2	2	2		
POWER SUPPLY	PSU type	Single fixed internal	Single fixed internal	Single fixed internal	Single fixed internal	External	External or PoE
	Additional PSU					PWR300	
POWER OVER ETHERNET	IEEE 802.3af (PoE)					■	■ (pass-through)
	IEEE 802.3at (PoE+)					■	■ (pass-through)
	PoE+ enabled ports					8	8
	Max PoE+ power					720W	46W
	Max full power ports (30W)					8 (90 Watts / port)	1
	Continuous PoE					■	■
SCALABILITY	MAC address table size	16K	16K	16K	16K	16K	16K
	Stacking (VCStack)		6	6	6		
	Stacking bandwidth	40G	40G	40G	40G		
ENVIRONMENTAL	Cooling	Fanless	Fanless	Fanless	Fan	Fanless	Fanless
	Temperature range	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C	-10°C to 55 °C	-10°C to 55 °C
MANAGEMENT	Web GUI	■	■	■	■	■	■
	CLI / Telnet / SNMP	■	■	■	■	■	■
	IPv6 management	■	■	■	■	■	■
	DHCPv4 / v6 server	■	■	■	■	■	■
	AMF Member	■	■	■	■	■	■
NETWORK RESILIENCE	Spanning Tree	■	■	■	■	■	■
	Link aggregation (LACP)	■	■	■	■	■	■
	EPSRing	■	■	■	■	■	■
	VRRPv3	■	■	■	■		
QoS	IEEE 802.1p priority queues	8	8	8	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K	4K	4K	4K
	RADIUS / TACACS+	■	■	■	■	■	■
	SSH / SSL	■	■	■	■	■	■
	IEEE 802.1x	■	■	■	■	■	■
	DoS protection	■	■	■	■	■	■
	DHCP snooping	■	■	■	■	■	■
ROUTING	Static routes v4 / v6	■	■	■	■	■	■
	RIP / RIPng	■	■	■	■	■	■
	OSPFv2 / v3	■	■	■	■	■	■
MULTICASTING	IGMPv1 / v2 / v3	■	■	■	■	■	■
	MLDv1 / v2	■	■	■	■	■	■
	PIMv4 / PIMv6	■	■	■	■	■	■
	PIM-SSM / PIM-SSMv6	■	■	■	■	■	■
SDN	OpenFlow	■	■	■	■	■	■

COMING SOON

x230 Series

Allied Telesis x230 Series switches provide an excellent access solution for today's networks, supporting Gigabit to the desktop for demanding applications. Compact PoE models enable easy deployment, while connecting and remotely powering devices such as wireless access points, and IP video surveillance cameras at the network edge.

x220 Series

The Allied Telesis x220 Series are fully managed high-performing Gigabit Layer 3 switches. Integrated security features, and 28 SFP or 48 Gigabit copper ports, enable long-distance fiber, or high-density copper connectivity at the edge of the network.

FEATURES		x230-10GT x230-10GP	x230-18GT x230-18GP	x230-28GT x230-28GP	x230L-17GT x230L-26GT	x220-28GS	x220-52GT x220-52GP
FORM FACTOR		Desktop / rackmount	Desktop / rackmount	Desktop / rackmount	Desktop / rackmount	Desktop / rackmount	Desktop / rackmount
SWITCH FUNCTIONALITY		Basic Layer 3	Basic Layer 3	Basic Layer 3	Basic Layer 3	Basic Layer 3	Basic Layer 3
PORTS AND MEDIA SUPPORT	10/100/1000T	8	16	24	16 (17) 24 (26)		48
	100/1000X SFP ports	2	2	4	1 (17) 2 (26)	28	4
POWER SUPPLY	PSU type	Single fixed internal	Single fixed internal	Single fixed internal	Single fixed internal	Single fixed internal	Single fixed internal
POWER OVER ETHERNET	IEEE 802.3af (PoE)	■ (GP)	■ (GP)	■ (GP)			■ (GP)
	IEEE 802.3at (PoE+)	■ (GP)	■ (GP)	■ (GP)			■ (GP)
	PoE+ enabled ports	8 (GP)	16 (GP)	24 (GP)			48 (GP)
	Max PoE+ power	124W (GP)	247W (GP)	370W (GP)			740W (GP)
	Max full power ports (30W)	4 (GP)	8 (GP)	12 (GP)			24 (GP)
	Continuous PoE						■ (GP)
SCALABILITY	MAC address table size	16K	16K	16K	16K	16K	16K
ENVIRONMENTAL	Cooling	Fanless (GT), Fan (GP)	Fan	Fan	Fanless	Fan	Fan
	Temperature range	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 40°C	0°C to 50°C	0°C to 50°C
MANAGEMENT	Web GUI	■	■	■	■	■	■
	CLI / Telnet / SNMP	■	■	■	■	■	■
	IPv6 management	■	■	■	■	■	■
	AMF Member	■	■	■	■	■	■
NETWORK RESILIENCE	Spanning Tree	■	■	■	■	■	■
	Link aggregation (LACP)	■	■	■	■	■	■
	EPSRing	■	■	■	■	■	■
QoS	IEEE 802.1p priority queues	8	8	8	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K	4K	4K	4K
	RADIUS / TACACS+	■	■	■	■	■	■
	SSH / SSL	■	■	■	■	■	■
	IEEE 802.1x	■	■	■	■	■	■
	DoS protection	■	■	■	■	■	■
	DHCP snooping	■	■	■	■	■	■
ROUTING	Static routes v4 / v6	■ (v4 only)	■ (v4 only)	■ (v4 only)	■ (v4 only)	■ (v4 only)	■ (v4 only)
	RIP / RIPng	■ (RIP only)	■ (RIP only)	■ (RIP only)	■ (RIP only)	■ (RIP only)	■ (RIP only)
MULTICASTING	IGMPv1 / v2 / v3	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)
	MLDv1 / v2	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)
SDN	OpenFlow	■	■	■	■		

Intelligent SMB

XS900MX Series

The XS900MX Series are the ideal 10G access switches for enterprise networks or anywhere a relay switch with 10G uplink is required. The switches also make the ideal core or aggregation switch, to connect servers and storage in a small network. Available with a mix of copper and fiber 10G connectivity options, the XS900MX Series enable a highly flexible and reliable network, which can easily scale to meet increasing traffic demands.

GS980MX Series

The CentreCOM GS980MX Series feature high-capacity, resiliency and easy management. Power over Ethernet (PoE+ and PoE++) models with Multi-Gigabit support make them an ideal solution for high-speed connectivity at the network edge. With 8 to 48 Gigabit ports and 10 Gigabit uplinks, plus the ability to stack multiple units, the GS980MX Series enable flexible deployment.

FEATURES		XS916MXS XS916MXT	GS980MX/28 GS980MX/28PSm	GS980MX/52 GS980MX/52PSm	GS980MX/10HSm GS980MX/18HSm
SWITCH FUNCTIONALITY		Basic Layer 3	Basic Layer 3	Basic Layer 3	Basic Layer 3
PORTS AND MEDIA SUPPORT	10/100/1000T		24 (4 x 100M/1/2.5/5G) (PSm)	48 (8 x 100M/1/2.5/5G) (PSm)	8 (100M/1/2.5/5G) (10HSm) 16 (100M/1/2.5/5G) (18HSm)
	100M/1G/10G RJ-45	12 (MXT) 4 (MXS)			
	1G/10G SFP/SFP+	4 (MXT) 12 (MXS)	4	4	2
POWER SUPPLY	PSU type	Single fixed internal	Single fixed internal	Single fixed internal	Single fixed internal
POWER OVER ETHERNET	IEEE 802.3af (PoE)		■ (PSm)	■ (PSm)	■
	IEEE 802.3at (PoE+)		(PSm)	(PSm)	■ PoE++
	PoE+ enabled ports		24 (PSm)	48 (PSm)	8 (10HSm), 16 (18HSm)
	Max PoE+ power		370W (PSm)	370W (PSm)	500W (10HSm), 720W (18HSm)
	Max full power ports (30W)		12 (PSm)	12 (PSm)	8 (10HSm), 16 (18HSm) (5/8 @ 90W)
	Continuous PoE		■ (PSm)	■ (PSm)	■
SCALABILITY	MAC address table size	16K	16K	16K	16K
	Stacking (VCStack)	■ (2)	■ (4)	■ (4)	■ (4)
	Stacking bandwidth	40G	40G	40G	40G
ENVIRONMENTAL	Cooling	Fan	Fan	Fan	Fan
	Temperature range	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C
MANAGEMENT	Web GUI	■	■	■	■
	CLI / Telnet / SNMP	■	■	■	■
	IPv6 management	■	■	■	■
	AMF Member	Edge node	Edge node	Edge node	Edge node
NETWORK RESILIENCE	Spanning Tree	■	■	■	■
	Link aggregation (LACP)	■	■	■	■
	EPSRing	■	■	■	■
QoS	IEEE 802.1p priority queues	8	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K	4K
	RADIUS / TACACS+	■	■	■	■
	SSH / SSL	■	■	■	■
	IEEE 802.1x	■	■	■	■
	DHCP snooping	■	■	■	■
ROUTING	Static routes v4 / v6	■ (v4 only)	■	■	■
	RIP / RIPng	■ (RIP only)	■ (RIP only)	■ (RIP only)	■ (RIP only)
MULTICASTING	IGMPv1 / v2 / v3	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)
	MLDv1 / v2	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)

GS980EM Series

The GS980EM Series of Gigabit Layer 3 Lite pass-through switches are flexible Power over Ethernet switches with capabilities that support IoT device connectivity in today's converged business environments.

GS980M Series

The GS980M Series of Layer 3 Gigabit switches enable a cost-effective and fully managed network. PoE+ connects and powers end points at the network edge.

SFP/SFP+ Optics
Learn more about Allied Telesis pluggable optics on page 44–47.

FEATURES		GS980EM/10H	GS980EM/11PT	GS980M/52 GS980M/52PS
SWITCH FUNCTIONALITY		Basic Layer 3	Basic Layer 3	Basic Layer 3
PORTS AND MEDIA SUPPORT	10/100/1000T	8	9	48
	100/1000X SFP ports	2	2	4
POWER SUPPLY	PSU type	External	External or PoE	Single fixed internal
POWER OVER ETHERNET	IEEE 802.3af (PoE)	■	■ (pass-through)	■ (PS)
	IEEE 802.3at (PoE+)	■	■ (pass-through)	■ (PS)
	PoE+ enabled ports	8	8	48 (PS)
	Max PoE+ power	720W	46W	740W (PS)
	Max full power ports (30W)	8 (90 Watts / port)	1	24 (PS)
	Continuous PoE			■ (PS)
SCALABILITY	MAC address table size	16K	16K	16K
ENVIRONMENTAL	Cooling	Fanless	Fanless	Fan
	Temperature range	0ºC to 50ºC	0ºC to 50ºC	0ºC to 50ºC
MANAGEMENT	Web GUI	■	■	■
	CLI / Telnet / SNMP	■	■	■
	IPv6 management	■	■	■
	AMF Member	Edge node	Edge node	Edge node
NETWORK RESILIENCE	Spanning Tree	■	■	■
	Link aggregation (LACP)	■	■	■
	EPSRing	■	■	■
QoS	IEEE 802.1p priority queues	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K
	RADIUS / TACACS+	■	■	■
	SSH / SSL	■	■	■
	IEEE 802.1x	■	■	■
	DHCP snooping	■	■	■
ROUTING	Static routes v4 / v6	■ (v4 only)	■ (v4 only)	■
	RIP / RIPng	■ (RIP only)	■ (RIP only)	■ (RIP only)
	OSPFv2	■	■	
MULTICASTING	IGMPv1 / v2 / v3	■	■	■ (snooping)
	MLDv1 / v2	■	■	■ (snooping)

Intelligent SMB

GS980EM Series

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SFP/SFP+ Optics
Learn more about Allied Telesis pluggable optics on page 44-47.

FEATURES		GS970EMX/10 GS970EMX/20 GS970EMX/28 GS970EMX/52 (COMING SOON /52)	GS970M/10 GS970M/18 GS970M/28	GS970M/10PS GS970M/18PS GS970M/28PS
SWITCH FUNCTIONALITY		Basic Layer 3	Basic Layer 3	Basic Layer 3
	10/100/1000T	8 (10), 16 (20), 24 (28), 48 (52)	8 (10), 16 (18), 24 (28)	8 (10), 16 (18), 24 (28)
	100/1000X SFP ports		2 (10 & 18), 4 (28)	2 (10 & 18), 4 (28)
	100M/1G/10G RJ-45	1 (10), 2 (20, 28 & 52) (1/2.5/5/10G)		
	1G/10G SFP/SFP+	1 (10), 2 (20, 28 & 52)		
POWER SUPPLY	PSU type	Single fixed internal	Single fixed internal	Single fixed internal
POWER OVER ETHERNET	IEEE 802.3af (PoE)			■
	IEEE 802.3at (PoE+)			■
	PoE+ enabled ports			8 (10), 16 (18), 24 (28)
	Max PoE+ power			124W (10), 247W (18), 370W (28)
	Max full power ports (30W)			4 (10), 8 (18), 12 (28)
SCALABILITY	MAC address table size	16K	16K	16K
	Stacking (VCStack)	■ (4 units) (20, 28 & 52)		
	Stacking bandwidth	40G		
ENVIRONMENTAL	Cooling	Fanless (10, 20 & 28) Fan (52)	Fanless (10) Fan (18 & 28)	Fan
	Temperature range	0°C to 50°C	0°C to 50°C	0°C to 50°C
MANAGEMENT	Web GUI	■	■	■
	CLI / Telnet / SNMP	■	■	■
	IPv6 management	■	■	■
	AMF Member	Edge node	Edge node	Edge node
NETWORK RESILIENCE	Spanning Tree	■	■	■
	Link aggregation (LACP)	■	■	■
	EPSRing	■	■	■
QoS	IEEE 802.1p priority queues	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K
	RADIUS / TACACS+	■	■	■
	SSH / SSL	■	■	■
	IEEE 802.1x	■	■	■
	DHCP snooping	■	■	■
ROUTING	Static routes v4 / v6	■ (v4 only)	■ (v4 only)	■ (v4 only)
	RIP / RIPng	■ (RIP only)	■ (RIP only)	■ (RIP only)
	OSPFv2	■		
MULTICASTING	IGMPv1 / v2 / v3	■	■ (snooping)	■ (snooping)
	MLDv1 / v2	■	■ (snooping)	■ (snooping)

GS970EMX Series

The CentreCOM GS970EMX Series Layer 3 Lite switches provide Gigabit connectivity with Multi-Gigabit copper and 10 Gigabit fiber uplinks. They provide a comprehensive feature-set and a fanless design, making them ideal for secure and cost-effective access in small to medium business networks. Stackable models add flexibility and resilience with the ability to easily increase port density.

GS970M Series

Allied Telesis CentreCOM GS970M Series switches provide an excellent access solution for today's networks, supporting Gigabit to the desktop for maximum performance. The Power over Ethernet Plus (PoE+) models are ideal solution for connecting and remotely powering wireless access points, IP video surveillance cameras, and IP phones.

FS980M Series

The FS980M Series switches provide high-performance Fast Ethernet connectivity right where you need it—at the network edge. Flexible and robust, this series provides total security and management features for enterprises of all sizes. Power over Ethernet (PoE) models enable connecting and powering edge devices in video surveillance and Point of Sale (POS) applications.

FEATURES		FS980M/9 FS980M/18 FS980M/28 FS980M/52	FS980M/9PS FS980M/18PS FS980M/28PS FS980M/52PS	FS980M/28DP
SWITCH FUNCTIONALITY		Basic Layer 3	Basic Layer 3	Basic Layer 3
PORTS AND MEDIA SUPPORT	10/100TX	8 (9), 16 (18), 24 (28), 48 (52)	8 (9), 16 (18), 24 (28), 48 (52)	24
	10/100/1000T	1 combo (9) 2 combo (18)	1 combo (9) 2 combo (18)	
	100/1000X SFP ports	1 combo (9), 2 combo (18), 4 (28 & 52)	1 combo (9), 2 combo (18), 4 (28 & 52)	4
POWER SUPPLY	PSU type	Single fixed internal	Single fixed internal	Dual fixed internal
POWER OVER ETHERNET	IEEE 802.3af (PoE)		■	■
	IEEE 802.3at (PoE+)		■	■
	PoE+ enabled ports		8 (9), 16 (18), 24 (28), 48 (52)	24
	Max PoE+ power		150W (9), 250W (18), 375W (28 & 52)	375W
	Max full power ports (30W)		4 (9), 8 (18), 12 (28 & 52)	12
SCALABILITY	MAC address table size	16K	16K	16K
	Stacking (VCStack)	■ (4 units) * (28 & 52)	■ (4 units) * (28 & 52)	■ (4)
	Stacking bandwidth	4G (2 x SFP) (28 & 52)	4G (2 x SFP) (28 & 52)	4G
ENVIRONMENTAL	Cooling	Fanless (9, 18 & 28) Fan (52)	Fan	Fan
	Temperature range	0°C to 50°C	0°C to 50°C	0°C to 50°C
MANAGEMENT	Web GUI	■	■	■
	CLI / Telnet / SNMP	■	■	■
	IPv6 management	■	■	■
	AMF Member	Edge node	Edge node	Edge node
NETWORK RESILIENCE	Spanning Tree	■	■	■
	Link aggregation (LACP)	■	■	■
	EPSRing	■	■	■
QoS	IEEE 802.1p priority queues	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K
	RADIUS / TACACS+	■	■	■
	SSH / SSL	■	■	■
	IEEE 802.1x	■	■	■
	DHCP snooping	■	■	■
ROUTING	Static routes v4 / v6	■ (v4 only)	■ (v4 only)	■ (v4 only)
	RIP / RIPng	■ (RIP only)	■ (RIP only)	■ (RIP only)
MULTICASTING	IGMPv1 / v2 / v3	■ (snooping)	■ (snooping)	■ (snooping)
	MLDv1 / v2	■ (snooping)	■ (snooping)	■ (snooping)

* 4 units stacking is supported in 5.4.7 or later

WebSmart and Unmanaged SMB

GS950PS v2 Series

A cost-effective and high-performing solution that enables small businesses to connect and power devices at the network edge.

GS950 Series

The Allied Telesis GS950 Series of PoE+ power Gigabit WebSmart switches deliver up to 30 Watts per port to support video surveillance and security cameras, wireless access points, IP phones, and other PoE-powered devices. The GS950 Series also features IPv6 management and TACACS+ to add an extra layer of security.

GS920 Series

The Allied Telesis GS920 Series offers secure Gigabit switching solutions for the desktop and small networks. Front-panel DIP switches provide configuration of commonly used features – network device management made easy.

XS910/8

The CentreCOM XS910/8 offers high-speed unmanaged switching solutions for small networks.

FEATURES		XS910/8	GIGABIT ETHERNET			
			GS950/8 GS950/16 GS950/24 GS950/48	GS950/10PS v2 GS950/18PS v2 GS950/28PS v2 GS950/52PS v2	GS920/8 GS920/16 GS920/24	GS920/8PS
PORTS AND MEDIA SUPPORT	10/100/1000T		6+2 (8), 14+2 (16) 20+4 (24), 44+4 (48)	8 (10), 16 (18), 24 (28), 48 (52)	8 (8), 16 (16), 24 (24)	8
	100M/1G/10G RJ-45	8 (100M/1/2.5/5/10G)				
	SFP		2 combo (8 & 16) 4 combo (24 & 48)	2 (10 & 18) 4 (28 & 52)		
	100FX SFP support		■	■		
POWER SUPPLY			Internal	Internal	Internal	Internal
POWER OVER ETHERNET	Power over Ethernet (PoE)			■		■
	PoE enabled ports			8 (10), 16 (18), 24 (28 & 52)		8
	IEEE 802.3af (PoE)			■		■
	IEEE 802.3at (PoE+)			■		■
	Max PoE power			75W (10), 185W (18 & 28), 370W (52)		62W
	Max PoE+ enabled ports			2 (10), 6 (18 & 28), 12 (52)		2
SCALABILITY	MAC address table size	16K	8K	16K	4K (8), 8K (16 & 24)	4K
ENVIRONMENTAL	Cooling	Fanless	Fanless Fan (48)	Fanless (10) Fan	Fanless	Fanless
	Eco-friendly		■	■	■	■
	Temperature range	0°C to 50°C	0°C to 40°C	0°C to 40°C (10) 0°C to 45°C (18, 28 & 52)	0°C to 50°C	0°C to 50°C
MANAGEMENT	Web		■	■		
	SNMPv1 / v2		■ v3	■ v3		
NETWORK RESILIENCE	Spanning Tree		■	■		
	Rapid Spanning Tree		■	■		
	Link aggregation (LACP)		■ (48)	■		
	IGMP snooping (v1 / v2)		■	■		
	Port setting (speed, availability, flow control)		■	■		
QoS	IEEE 802.1p priority queues		4	4		
SECURITY	IEEE 802.1Q VLANs		256	256		
	IEEE 802.1x		■	■		
	RADIUS / DHCP client		■	■		
OTHER	Jumbo frames (9K)	■	■	■	■	■
	Port mirroring		■	■		
	MAC filtering / ingress / egress rate limiting / broadcast storm control		■	■		
	EAP / BPDU pass-through	■	■	■	■	■

GS910/XST Series

The GS910/XST Series of Gigabit unmanaged switches offer flexible deployment with both Multi-Gigabit copper and 10 Gigabit fiber uplinks. Also providing silent operation and Gigabit-to-the-desktop connectivity, they are ideal for high-bandwidth applications at the network edge.

GS910 Series

The Allied Telesis GS910 Series offers unmanaged Gigabit switching. The GS910 Series delivers the Gigabit performance demanded by today's high-bandwidth applications, such as video, graphics and industrial design. Compact design and silent operation enable deployment in work areas.

FS750 Series

The FS750 Series Fast Ethernet WebSmart switches offer the simplicity of unmanaged switches with the performance and reliability of managed switches, providing an ideal solution for integrating management at the edge of the network. Minimizing power consumption through high efficiency power supplies and low power chipsets, the FS750 Series at the network edge are the ideal cost-effective solution for small businesses.

FS710 Series

The Allied Telesis CentreCOM FS710 Series is the ideal economical and eco-friendly solution for today's networks, providing an extensive range of cost-effective options. The FS710 Series switches provide easy set-up, with silent operation and simple connectivity for desktop and small to medium network environments.

FEATURES		GIGABIT ETHERNET			FAST ETHERNET			
		GS910/10XST GS910/18XST GS910/26XST	GS910/5 GS910/8 GS910/16 GS910/24	GS910/5E GS910/8E	FS750/20 FS750/28	FS750/28PS	FS710/5 FS710/8 FS710/16 FS710/24	FS710/5E FS710/8E FS710/16E
PORTS AND MEDIA SUPPORT	10/100TX				16 (20), 24 (28)	24	5 (5), 8 (8), 16 (16), 24 (24)	5 (5), 8 (8), 16 (16)
	10/100/1000T	8 (10), 16 (18), 24 (26)	5 (5), 8 (8), 16 (16), 24 (24)	5 (5), 8 (8)	2+2 (combo)	2+2 (combo)		
	100M/1G/10G RJ-45	1 x 1/2.5/5/10G copper						
	SFP	1 x SFP/SFP+ (1G/10G)			2 combo	2 combo		
	100FX SFP support				■	■		
POWER SUPPLY		Internal	Internal	External (high efficiency)	Internal	Internal	Internal	External
POWER OVER ETHERNET	Power over Ethernet (PoE)					■		
	PoE enabled ports					24		
	IEEE 802.3af (PoE)					■		
	IEEE 802.3at (PoE+)					■		
	Max PoE power					193W		
	Max PoE+ enabled ports					4 (port 1-4)		
SCALABILITY	MAC address table size	16K	2K (5), 4K (8), 8K (16 & 24)	2K (5), 4K (8)	8K	8K	2K (5 & 8), 8K (16 & 24)	2K (5 & 8), 8K (16)
ENVIRONMENTAL	Cooling	Fanless	Fanless	Fanless	Fanless	Fan	Fanless	Fanless
	Eco-friendly	■	■	■	■	■	■	■
	Temperature range	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 40°C	0°C to 40°C	0°C to 50°C	0°C to 50°C
MANAGEMENT	Web				■	■		
	SNMPv1 / v2				■	■		
NETWORK RESILIENCE	Spanning Tree				■	■		
	Rapid Spanning Tree				■	■		
	Link aggregation (LACP)				■	■		
	IGMP snooping (v1 / v2)				■	■		
	Port setting (speed, availability, flow control)				■	■		
QoS	IEEE 802.1p priority queues				4	4		
SECURITY	IEEE 802.1Q VLANs				256	256		
	IEEE 802.1x				■	■		
	RADIUS / DHCP client				■	■		
OTHER	Jumbo frames (9K)	■	■	■	■	■	■	■
	Port mirroring				■	■		
	MAC filtering / ingress / egress rate limiting / broadcast storm control				■	■		
	EAP / BPDU pass-through		■	■			■	■

Hardened Industrial Ethernet switches are built for enduring performance in harsh environments, such as those found in manufacturing, transportation and physical security. Offering high throughput, rich functionality and advanced security features.

IE Series

The Allied Telesis IE Series is built for performance in harsh environments, and deliver the performance and reliability demanded by industrial automation and control systems. They run the AlliedWare Plus Operating System which provides the switch with high performing functionality.

IS Series

The Allied Telesis IS Series is engineered for its easy deployment and reliable operation and has the features, performance and operating characteristics for deployment in harsh environments.

FEATURES		IE510-28GSX	IE340L-18GP	IE340-12GP IE340-12GT IE340-20GP
FORM FACTOR		Desktop / rackmount	DIN rail / wallmount	DIN rail / wallmount
SWITCH FUNCTIONALITY		Basic Layer 3, upgradeable	Basic Layer 3, upgradeable	Basic Layer 3, upgradeable
ELECTROMAGNETIC COMPATIBILITY		Hardened ITE	Industrial	Industrial Automation and Control
INDUSTRIAL AUTOMATION	Modbus/TCP	■	■	■
	PROFINET NRT/RT		■	■
	IEEE 1588 (PTP)	■	■	■
PORTS AND MEDIA SUPPORT	10/100/1000T		16	8 (12) 16 (20)
	100/1000X SFP	24	2 (1000X)	4
	1G/10G SFP+	4 (2 if stacked)		
POWER SUPPLY	Input voltage	DC	DC	DC
	Redundant power input	■	■	■
POWER OVER ETHERNET	IEEE 802.3at Type 1 (PoE @15.4W)		■	■ (GP)
	IEEE 802.3at Type 2 (PoE @30W)		■	■ (GP)
	Power budget		240W	240W (GP)
	Enabled ports		16	8 (12GP) 16 (20)
	Max port count @15W		16	8 (12GP) 16 (20)
	Max port count @30W		8	8 (GP)
	Continuous PoE		■	■ (GP)
	Dynamic PoE power allocation		■	■ (GP)
SCALABILITY	MAC address table size	16K	16K	16K
	Stacking (VCStack)	■ (4)		
	Long-distance VCStack	■ (4)		
	Stacking bandwidth	40G (2 x SFP+)		
ENVIRONMENTAL	Cooling	Fan	Fanless	Fanless
	Temperature range	-40°C to 75°C	-40°C to 65°C	-40°C to 75°C (tested @ 85°C)
	Conformal coating			■ (/C models)
MANAGEMENT	Web GUI	■	■	■
	CLI / Telnet / SNMP	■	■	■
	IPv6 management	■	■	■
	DHCPv4/v6 server	■	■	■
	AMF Member	■	■	■
NETWORK RESILIENCE	Spanning Tree	■	■	■
	Link aggregation (LACP)	■	■	■
	EPSRing	■	■	■
	ITU-T G.8032 with Ethernet CFM	■	■	■
	MRP	■	■	■
	VRRPv3	■	■	■
QoS	IEEE 802.1p priority queues	8	8	8
SECURITY	IEEE 802.1Q VLANs (simultaneous)	4K	4K	4K
	RADIUS / TACACS+	■	■	■
	SSH / SSL	■	■	■
	IEEE 802.1x	■	■	■
	DoS protection	■	■	■
	DHCP snooping	■	■	■
ROUTING	Static routes v4 / v6	■	■	■
	RIP / RIPng	■	■	■
	OSPFv2 / v3	■	■	■
	BGP / BGP+	■	■	■
	Policy-based routing	■		
MULTICASTING	IGMPv1 / v2 / v3	■	■	■
	MLDv1 / v2	■	■	■
	PIMv4 / PIMv6	■	■	■
	PIM-SSM / PIM-SSMv6	■	■	■
SDN	OpenFlow	■	■	■

FEATURES		IE220-6GHX IE220-10GHX	IE210L-10GP IE210L-18GP	IE200-6GP IE200-6GT	IS230-10GP	IS130-6GP
FORM FACTOR		DIN rail / wallmount	Desktop / rackmount	DIN rail / wallmount	DIN rail / wallmount	DIN rail / wallmount
SWITCH FUNCTIONALITY		Layer 2+	Layer 2	Layer 2	Layer 2	Layer 2, unmanaged
ELECTROMAGNETIC COMPATIBILITY		Hardened ITE	ITE	Hardened ITE	Industrial	Industrial
PORTS AND MEDIA SUPPORT	10/100/1000T	4 (6) 8 (10)	8 (10) 16 (18)	4	8 + 2 combo	5
	100/1000X SFP		2	2	2 combo	1
	1G/10G SFP+	2				
POWER SUPPLY	Input voltage	DC	AC, fixed internal	DC	DC	DC
	Redundant power input	■		■	■	■
POWER OVER ETHERNET	IEEE 802.3at Type 1 (PoE @15.4W)	■	■	■ (GP)	■	■
	IEEE 802.3at Type 2 (PoE @30W)	■	■	■ (GP)	■	■
	IEEE 802.3at 4PPoE (HI-PoE @60W)	■				
	IEEE 802.3bt Type 3 (PoE++ @60W)	■				
	IEEE 802.3bt Type 4 (PoE++ @95W)	■				
	Power budget	180W (6) 240W (10)	124W (10) 247W (18)	120W (GP)	120W	90W
	Enabled ports	4 (6) 8 (10)	8 (10) 16 (18)	4 (GP)	8	4
	Max port count @15W	4 (6) 8 (10)	8 (10) 16 (18)	4 (GP)	8	4
	Max port count @30W	4 (6) 8 (10)	4 (10) 8 (18)	4 (GP)		
	Max port count @60W	2 (6) 4 (10)			4	3
	Max port count @90W	2 (6) 4 (10)				
	Continuous PoE	■	■	■ (GP)		
	Dynamic PoE power allocation	■	■	■ (GP)		
SCALABILITY	MAC address table size	16K	16K	2K	8K	2K
ENVIRONMENTAL	Cooling	Fanless	Fan	Fanless	Fanless	Fanless
	Temperature range	-40°C to 75°C	0°C to 65°C	-40°C to 75°C	-40°C to 75°C	-40°C to 75°C
MANAGEMENT	Web GUI	■	■	■	■	
	CLI / Telnet / SNMP	■	■	■	■	
	IPv6 management	■	■	■		
	DHCPv4/v6 server		■		■ (v4 only)	
	AMF Member	■	■	■		
NETWORK RESILIENCE	Spanning Tree	■	■	■	■	
	Link aggregation (LACP)	■	■	■	■	
	EPSRing	■	■	■	■ (aware)	
	ITU-T G.8032 with Ethernet CFM	■	■		■ (work in progress)	
	MRP	■ (Client only)				
QoS	IEEE 802.1p priority queues	8	8	8	8	
SECURITY	IEEE 802.1Q VLANs (simultaneous)	4K	2K	2K	256	
	RADIUS / TACACS+	■	■	■	■ (RADIUS only)	
	SSH / SSL	■	■	■	■	
	IEEE 802.1x	■	■	■	■	
	DoS protection	■	■	■	■	
	DHCP snooping	■	■	■		
ROUTING	Static routes v4 / v6	■				
MULTICASTING	IGMPv1 / v2 / v3	■	■	■	■ (snooping)	
	MLDv1 / v2	■	■		■ (snooping)	
	PIMv4 / PIMv6	■				
	PIM-SSM / PIM-SSMv6	■				
SDN	OpenFlow	■	■			

SFP/SFP+ Optics
Learn more about Allied Telesis pluggable optics on page 44–47.

Distributed Network Core
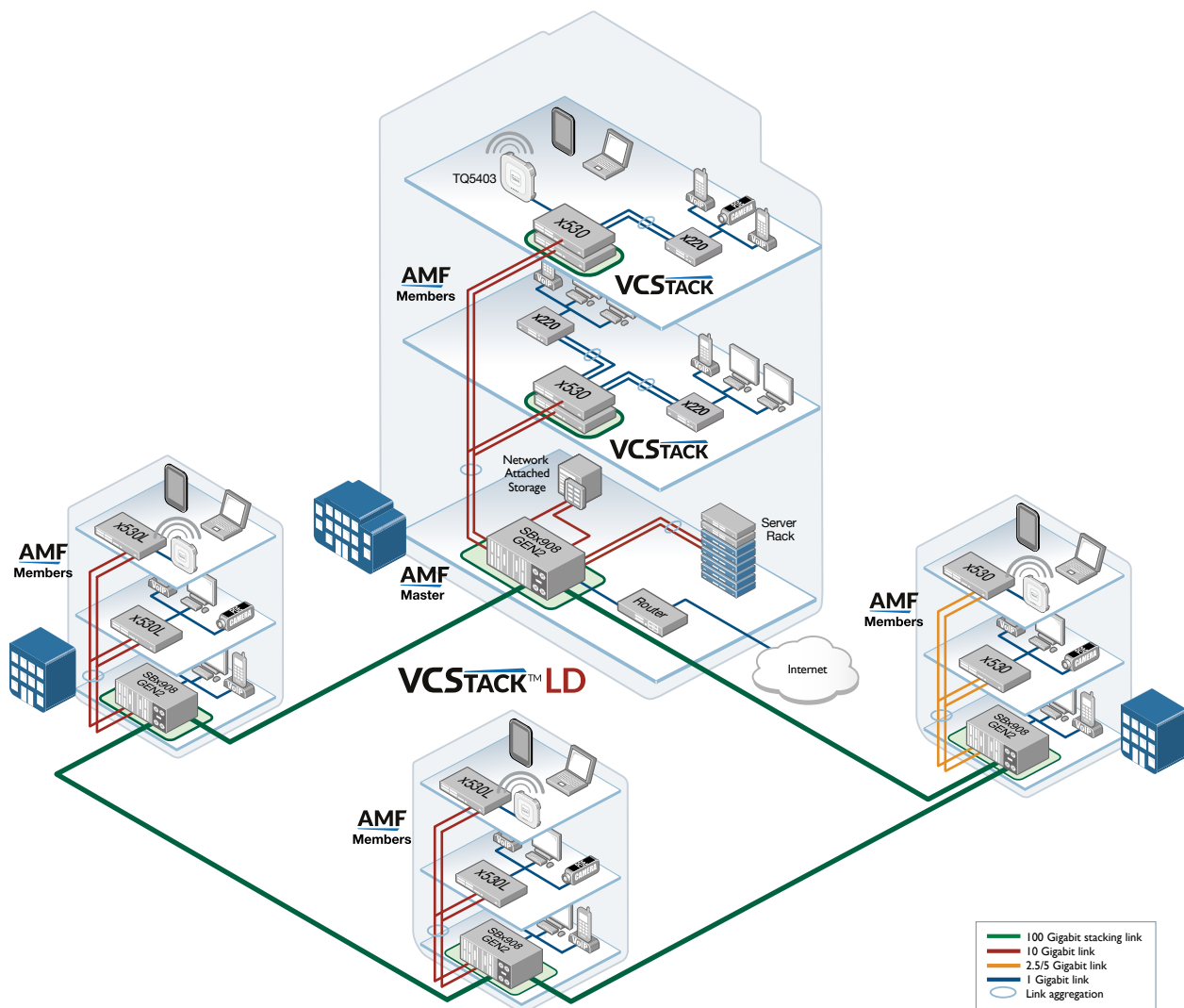
Today's large enterprises demand ready access to online resources and applications, require a high-performing network that can seamless carry multiple converged services. This campus solution uses the SwitchBlade x908 GEN2 and long-distance Virtual Chassis Stacking (VCStack LD)—ideal for a distributed network core that provides high availability, increased capacity and ease of management.

Using VCStack at the core of the network allows multiple switches to appear as a single virtual chassis, simplifying management. In normal operation, the full bandwidth of the network is used. ensuring always-available online services.

Seamless wireless access, and the convergence of business data, voice, and video surveillance traffic on the network, are easily supported with this powerful solution.

AMF Plus allows the entire network to be unified for ease of management. The SwitchBlade x908 GEN2 acts as the AMF Master, automatically backing up the entire networking with zero-touch expansion and recovery.

The SwitchBlade x908 GEN2 delivers a protocol-less and Active/Active campus backbone solution, with high performance and flexible scalability.

Security Appliances

Protection, security, and traffic optimization across your entire WAN.

The comprehensive, high-performance AR Series features virtual and hardware-based UTM firewalls, and conventional secure VPN routers. Enable your cloud-first environment with options to deploy in the public or private cloud, at the branch, or in a combination that best supports high performing WAN connectivity for your business.

Our UTM (Unified Threat Management) firewalls are an ideal integrated security platform for today's networks, with an application-aware firewall, threat protection and secure remote access combined with routing and switching.

AR Series products deliver the breadth of functionality and deployment flexibility that businesses require, with a high-value solution and proven reliability that makes Allied Telesis a trusted networking partner.

AMF PLUS

AlliedWare Plus™ OPERATING SYSTEM

SD-WAN

Virtual UTM Firewall

AR4000S-Cloud

Allied Telesis AR4000S-Cloud advanced virtual UTM firewall provides an ideal integrated security platform for businesses enabling cloud-first support for todays' distributed work environments. Power inter-office SD-WAN connectivity, remote worker VPNs, and easy access to cloud-based applications, ensuring a high performance enterprise solution.
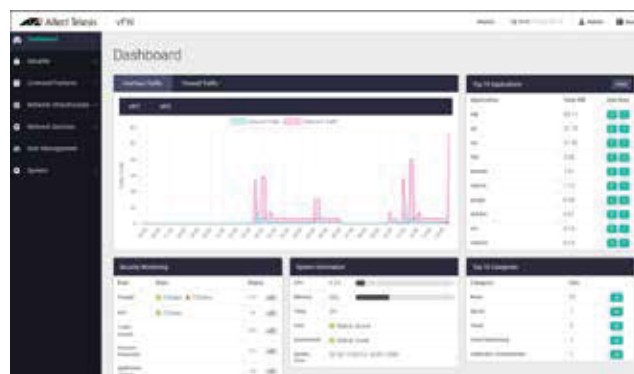
Flexible Performance

Choose the performance you need, by installing the virtual firewall on local server hardware to meet performance requirements - or alternately as Infrastructure as a Service (IaaS) in the cloud using Amazon Web Services. This flexibility provides a high performing cost effective solution for security and distributed business WAN connectivity. The performance table provides indicative values.

FEATURE	PERFORMANCE			
	SERVER HARDWARE			
	vCPU	1	2	4	8
	MEMORY	4GB	8GB	16GB	32GB
FIREWALL THROUGHPUT (RAW)		36Gbps	80Gbps	100Gbps	108Gbps
FIREWALL THROUGHPUT (APP CONTROL)		3Gbps	7Gbps	18Gbps	36Gbps
CONCURRENT FIREWALL SESSIONS		300,000	1,000,000	1,000,000	1,000,000
CONFIGURABLE FIREWALL RULES		3,000	5,000	5,000	5,000
ADVANCED THREAT PREVENTION THROUGHPUT		3Gbps	6Gbps	12Gbps	24Gbps
VPN (IPSEC) THROUGHPUT		2Gbps	4Gbps	8Gbps	16Gbps
VPN (IPSEC) CONNECTIONS		1,000	1,000	1,500	1,500

Note: All performance values are UDP maximums, and vary depending on system configuration.
Testing hardware: Dell PowerEdge R750xs with Intel Xeon Gold 6334 CPU (connected via an Intel E810-CQDA2 dual port QSFP28 100G adapter).

Comprehensive Features and Security

Like our hardware UTM firewalls, the AR4000S-Cloud virtual UTM firewall incorporates a rich feature-set including Deep Packet Inspection (DPI), multiple authentication options, advanced routing, flexible VPN capability, and much more. They also use best-of-breed security partners to provide comprehensive threat protection, which when partnered with an application aware firewall ensures a secure online environment.

Choose to license threat protection and user management features like advanced IPS, IP reputation, application control and web control to protect digital assets and manage your employees' online environment.

A Cohesive Solution

Use the AR4000S-Cloud virtual UTM firewall alongside our hardware-based branch office firewalls and routers, all running the advanced AlliedWare Plus OS for a consistent user experience. Enjoy a complete WAN security solution that connects, secures, and enables your business.

FEATURES		10G UTM Firewall	AR4050S-5G	AR4050S	AR3050S
FORM FACTOR		Rackmount	Desktop / rackmount	Desktop / rackmount	Desktop / rackmount
WAN PORTS	10/100/1000T	6 (and 4 x 10G ports)	2	2 combo	2 combo
	100/1000X (SFP)			2 combo	2 combo
	WAN bypass			2	2
	4G / 5G mobile (via SIM card)		Dual SIM card slots		
LAN PORTS	10/100/1000T		8	8	8
MEDIA SUPPORT	USB port	1	1	1	1
	SDHC slot			1	1
POWER SUPPLY		Fixed internal	Fixed internal	Fixed internal	Fixed internal
ENVIRONMENTAL	Temperature range	0°C to 40°C	0°C to 50°C	0°C to 50°C	0°C to 50°C
	Cooling	Fan	Speed-controlled fan	Speed-controlled fan	Speed-controlled fan
PERFORMANCE	CPU	Appliance based	Quad-core 1.5GHz	Quad-core 1.5GHz	Dual-core 800MHz
	RAM	32 GB	2 GB	2 GB	1 GB
	Throughput	See table below	See table below	See table below	See table below
MANAGEMENT	Console port	RJ-45	RJ-45	RJ-45	RJ-45
	Web-based GUI	■	■	■	■
	CLI	■	■	■	■
	SNMP	■	■	■	■
	Telnet / SSH	■	■	■	■
	AMF	■	■ (Master support)	■ (Master support)	■
	AWC wireless device management		■	■	■
NETWORK RESILIENCE	VRRP and VRRPv3	■	■	■	■
	Spanning Tree		■	■	■
THREAT PROTECTION	Anti-virus		■	■	
	Anti-malware	■	■	■	■
	IDS / IPS	■	■	■	■
	IP reputation	■	■	■	■
	Automatic threat updates	■	■	■	■
SECURITY	IEEE 802.1Q VLANs	■	■	■	■
	RADIUS / TACACS+	■	■	■	■
QoS		■	■	■	■
FIREWALL	Firewall	■	■	■	■
	Application control	■	■	■	■
	URL filter (URL black list / white list)	■	■	■	■
	Web content control and IP reputation	■	■	■	■
	Traffic shaping	■	■	■	■
	DMZ	■	■	■	■
	Port forwarding	■	■	■	■
	Dynamic NAPT	■	■	■	■
TUNNELLING	IPSec VPN tunnels	■	■	■	■
	SSL / TLS VPN tunnels	■	■	■	■
	L2TPv3	■	■	■	■
	GRE	■	■	■	■
ROUTING	Static routing	■	■	■	■
	RIP / RIPng	■	■	■	■
	OSPFv2 / OSPFv3	■	■	■	■
	BGP4 / BGP4+	■	■	■	■
	IGMP	■	■	■	■
	PIMv4 / PIMv6	■	■	■	■
	Bridging (LAN / WAN)	■	■	■	■
	PPPoE	■	■	■	■
	DHCPv4/v6 client, server, relay	■	■	■	■

PERFORMANCE	10G UTM Firewall	AR4050S-5G	AR4050S	AR3050S
FIREWALL THROUGHPUT (RAW)	20Gbps	1.9Gbps	1.9Gbps	750Mbps
FIREWALL THROUGHPUT (APP CONTROL)	18Gbps	1.8Gbps	1.8Gbps	700Mbps
CONCURRENT SESSIONS	1,000,000	300,000	300,000	100,000
NEW SESSIONS PER SECOND		12,000	12,000	3,600
IPS THROUGHPUT	16Gbps	750Mbps	750Mbps	220Mbps
IP REPUTATION THROUGHPUT	18Gbps	1Gbps	1Gbps	350Mbps
MALWARE PROTECTION THROUGHPUT		1.3Gbps	1.3Gbps	300Mbps
VPN THROUGHPUT	5Gbps	1Gbps	1Gbps	400Mbps

AR4050S-5G

Enable flexible WAN deployment for your distributed business using high-speed 5G mobile broadband to link remote offices to the corporate network, or to back up a wired Internet connection. The power of 5G enables unprecedented mobile data speed with low latency to boost network performance – and when partnered with Unified Threat Management (UTM) features on the AR4050S-5G, ensures secure access to business applications from anywhere across the corporate WAN.

Secure VPN Routers

Allied Telesis Secure VPN Routers combine comprehensive security features with powerful routing and switching functionality to provide a secure, high performance security solution.

The AR2050V and AR1050V provide reliable site-to-site VPNs between the branch office and headquarters, so all staff can access corporate resources, while the compact AR2010V has a small form factor and extended temperature range making it perfect for remote deployment or Machine to Machine (M2M) connectivity.

Enjoy flexible and easily managed WAN connectivity with the assurance of safeguarding your business data.

FEATURES		AR2050V	AR2010V	AR1050V
FORM FACTOR		Desktop / rackmount	Desktop / DIN rail	Desktop / rackmount
WAN PORTS	10/100/1000T	1	1	1
	WAN bypass	1	1	
LAN PORTS	10/100/1000T	4	1	4
MEDIA SUPPORT	USB port	1	1	1
POWER SUPPLY		Fixed internal	AC adapter or DC inlet	Fixed internal
ENVIRONMENTAL	Temperature range	0°C to 45°C	0°C to 50°C	0°C to 40°C
	Cooling	Fanless	Fanless	Fanless
PERFORMANCE	CPU	Dual-core 800MHz	Dual-core 800MHz	Single-core 1GHz
	RAM	512 MB	512 MB	512 MB
	Throughput	See table below	See table below	See table below
MANAGEMENT	Console port	RJ-45	RJ-45	RJ-45
	Web-based GUI	■	■	■
	CLI	■	■	■
	SNMP	■	■	■
	Telnet / SSH	■	■	■
	AMF	■	■	■
	AWC wireless device management	■	■	
NETWORK RESILIENCE	VRRP and VRRPv3	■	■	
	Spanning Tree	■	■	
THREAT PROTECTION	IDS / IPS	■	■	■
SECURITY	IEEE 802.1Q VLANs	■	■	■
	RADIUS / TACACS+	■	■	
QoS		■	■	
FIREWALL	Firewall	■	■	■
	URL filter (URL black list / white list)	■	■	■
	Traffic shaping	■	■	
	DMZ	■	■	
	Port forwarding	■	■	■
	Dynamic NAPT	■	■	
TUNNELLING	IPSec VPN tunnels	■	■	■
	SSL / TLS VPN tunnels	■	■	
	L2TPv3	■	■	
	GRE	■	■	
ROUTING	Static routing	■	■	■
	RIP / RIPng	■	■	
	OSPFv2 / OSPFv3	■	■	
	BGP4 / BGP4+	■	■	
	IGMP	■	■	
	PIMv4 / PIMv6	■	■	
	Bridging (LAN / WAN)	■	■	■
	PPPoE	■	■	■
	DHCPv4/v6 client, server, relay	■	■	

PERFORMANCE	AR2050V	AR2010V	AR1050V
FIREWALL THROUGHPUT (RAW)	750Mbps	750Mbps	480Mbps
CONCURRENT SESSIONS	100,000	100,000	100,000
NEW SESSIONS PER SECOND	3,600	3,600	3,600
IPS THROUGHPUT	200Mbps	200Mbps	135Mbps
VPN THROUGHPUT	400Mbps	400Mbps	180Mbps

Secure SD-WAN

Today's organizations are increasingly adopting cloud-based services with the ability to rapidly deploy new services and adopt the latest functionality with minimal effort. The same is true of the adoption of software-defined technologies with the ability to deliver greater performance and flexibility, while at the same time reducing cost.

SD-WAN

TQm Series

Allied Telesis TQm Series of SMB wireless APs provide the best possible performance for your small-medium business with a wireless network that tunes itself.

TQm Series support the growing demand of SMB users for a great Wi-Fi experience.

FEATURES		TQm6702 GEN2	TQm6602 GEN2	TQm5403	TQm1402
		SMB			
FORM FACTOR		Desktop / wallmount / ceiling mount	Desktop / wallmount / ceiling mount	Desktop / wallmount / ceiling mount	Desktop / wallmount / ceiling mount
PORTS AND MEDIA SUPPORT	Ethernet	2 x 100M / 1G / 2.5G / 5G	2 x 100M / 1G / 2.5G / 5G	2 × 10/100/1000T (1 x PoE - in port)	1 × 10/100/1000T
	Wireless radio 1 (2.4GHz)	Wi-Fi 6 @ 1147Mbps (4x4:4 MU-MIMO)	Wi-Fi 6 @ 1147Mbps (4x4:4 MU-MIMO)	Wi-Fi 4 @ 300Mbps (2x2:2 MIMO)	Wi-Fi 4 @ 300Mbps (2x2:2 MIMO)
	Wireless radio 2 (5GHz)	Wi-Fi 6 @ 4803Mbps (4x4:4 MU-MIMO)	Wi-Fi 6 @ 2402Mbps (4x4:4 MU-MIMO)	Wi-Fi 5 Wave 2 @ 867Mbps (2x2:2 MU-MIMO)	Wi-Fi 5 Wave 2 @ 867Mbps (2x2:2 MU-MIMO)
	Wireless radio 3 (5GHz)			Wi-Fi 5 Wave 2 @ 867Mbps (2x2:2 MU-MIMO)	
POWER SUPPLY		IEEE 802.3at PoE (PD) / AC adapter	IEEE 802.3at PoE (PD) / AC adapter	IEEE 802.3at PoE (PD) / AC adapter	IEEE 802.3at PoE (PD) / AC adapter
ENVIRONMENTAL	Indoor / outdoor usage	Indoor	Indoor	Indoor	Indoor
	Temperature range	0°C to 50°C	0°C to 50°C	PoE: 0°C to 50°C AC adapter: 0°C to 45°C	0°C to 45°C
MANAGEMENT	Operations management	Standalone / controlled mode	Standalone / controlled mode	Standalone / controlled mode	Standalone / controlled mode
	Web-based GUI	HTTP, HTTPS	HTTP, HTTPS	HTTP, HTTPS	HTTP, HTTPS
	SNMP	v1, v2c, v3	v1, v2c, v3	v1, v2c	v1, v2c
	Vista Manager EX + AWC	■	■	■	■
	Vista Manager Lite + AWC	■	■	■	■
SECURITY	RADIUS / IEEE 802.1x / SSL	■	■	■	■
	Encryption	WEP, WPA/WPA2, WPA3	WEP, WPA/WPA2, WPA3	WEP, WPA/WPA2, WPA3	WEP, WPA/WPA2, WPA3
	MAC filtering	■	■	■	■
BRIDGING	VLAN	■	■	■	■
WIRELESS	IEEE 802.11e (WMM)	■	■	■	■
	Mode: infrastructure	Access point	Access point	Access point	Access point
	Wireless Distribution System (WDS)	■	■	■	■
	Captive portal	■	■	■	■
	Virtual AP	■	■	■	■
	Passpoint Certified	■ *	■ *	■	■
	VLAN to Virtual AP mapping	■	■	■	■
	Regulatory domain compliance	■	■	■	■
	Rogue AP detection	■ through AWC	■ through AWC	■ through AWC	■ through AWC
	Antenna	Embedded antennas	Embedded antennas	Embedded antennas	Embedded antennas
	Wi-Fi certified	■	■	■	■
	Cisco mounting bracket adapter	■	■	■	■
	Fortinet mounting bracket adapter	■	■	■	■

*Future versions will support

Wireless Access Points

New-generation Wi-Fi 6

The power and capacity of Wi-Fi 6 supports the growing demand for seamless access to online business tools, as well as immersive-experience and real-time applications.

The next-generation TQ6000 GEN2 hybrid AP support multi-channel and single-channel and up to 8x8 MU-MIMO wireless interface.

TQ6702 GEN2

Allied Telesis Enterprise-class TQ6000 GEN2 Series access points feature Wi-Fi 6 technology, with up to 8 spatial streams delivering a raw capacity of up to 4.8 Gigabits. Multi-Gigabit uplink ports ensure maximum wireless network performance and eliminate bottlenecks.

What is Wi-Fi 6?

IEEE 802.11ax Wi-Fi 6 wireless connectivity delivers performance and throughput that is four times faster than IEEE 802.11ac devices. In crowded wireless environments, efficient bandwidth distribution is important. Bi-directional Multi-user MIMO technology simultaneously communicates with multiple clients at once, reducing contention and improving capacity and throughput.

WiFi 6 CERTIFIED

FEATURES		ENTERPRISE CLASS	
		TQ6702 GEN2	**TQ6602 GEN2**
FORM FACTOR		Desktop / wallmount / ceiling mount	Desktop / wallmount / ceiling mount
PORTS AND MEDIA SUPPORT	Ethernet	2 x 100M / 1G / 2.5G / 5G	2 x 100M / 1G / 2.5G / 5G
	Wireless radio 1 (2.4GHz)	Wi-Fi 6 @ 1147Mbps (4x4:4 MU-MIMO)	Wi-Fi 6 @ 1147Mbps (4x4:4 MU-MIMO)
	Wireless radio 2 (5GHz)	Wi-Fi 6 @ 4803Mbps (4x4:4 MU-MIMO)	Wi-Fi 6 @ 2402Mbps (4x4:4 MU-MIMO)
POWER SUPPLY		IEEE 802.3at PoE (PD) / AC adapter	IEEE 802.3at PoE (PD) / AC adapter
ENVIRONMENTAL	Indoor / outdoor usage	Indoor	Indoor
	Temperature range	0°C to 50°C	0°C to 50°C
MANAGEMENT	Operations management	Standalone / controlled mode	Standalone / controlled mode
	Web-based GUI	HTTP, HTTPS	HTTP, HTTPS
	SNMP	v1, v2c, v3	v1, v2c, v3
	Vista Manager EX + AWC	■	■
	Vista Manager Lite + AWC	■	■
SECURITY	RADIUS / IEEE 802.1x / SSL	■	■
	Encryption	WEP, WPA/WPA2, WPA3	WEP, WPA/WPA2, WPA3
	MAC filtering	■	■
BRIDGING	VLAN	■	■
WIRELESS	AWC-CB Channel Blanket	■	■
	AWC-SC Smart Connect	■ *	■ *
	IEEE 802.11e (WMM)	■	■
	Mode: infrastructure	Access point	Access point
	Wireless Distribution System (WDS)	■	■
	Captive portal	■	■
	Virtual AP	■	■
	Passpoint Certified	■ *	■ *
	VLAN to Virtual AP mapping	■	■
	Regulatory domain compliance	■	■
	Rogue AP detection	■ through AWC	■ through AWC
	Antenna	Embedded antennas	Embedded antennas
	Wi-Fi certified	■	■
	Cisco mounting bracket adapter	■	■
	Fortinet mounting bracket adapter	■	■

TQ6602

The innovative TQ6602 is the world's first Wi-Fi 6 AP to support multi-channel, single-channel (Channel Blanket) and hybrid operation (the simultaneous use of multi-channel and Channel Blanket). This powerful solution combines maximum performance and seamless roaming to enable the most flexible wireless networks available, and the best possible user experience.

TQ5403

The innovative three radio hybrid Access Point TQ5403 enables optimized wireless networking for all environments. By allowing simultaneous multi-channel and single-channel WLAN connectivity from the same access point, network administrators can combine the performance attributes of the two architectures to best suit their specific deployment requirements.

FEATURES		ENTERPRISE CLASS			
		TQ6602	TQ5403e	TQ5403	TQ1402
FORM FACTOR		Desktop / wallmount / ceiling mount	Pole / wallmount	Desktop / wallmount / ceiling mount	Desktop / wallmount / ceiling mount
PORTS AND MEDIA SUPPORT	Ethernet	1 x 100M / 1G / 2.5G / 5G	1 × 10/100/1000T	2 × 10/100/1000T (1 x PoE - in port)	1 × 10/100/1000T
	Wireless radio 1 (2.4GHz)	Wi-Fi 6 @ 1147Mbps (4x4:4 MU-MIMO)	Wi-Fi 4 @ 300Mbps (2x2:2 MIMO)	Wi-Fi 4 @ 300Mbps (2x2:2 MIMO)	Wi-Fi 4 @ 300Mbps (2x2:2 MIMO)
	Wireless radio 2 (5GHz)	Wi-Fi 6 @ 2402Mbps (4x4:4 MU-MIMO)	Wi-Fi 5 Wave 2 @ 867Mbps (2x2:2 MU-MIMO)	Wi-Fi 5 Wave 2 @ 867Mbps (2x2:2 MU-MIMO)	Wi-Fi 5 Wave 2 @ 867Mbps (2x2:2 MU-MIMO)
	Wireless radio 3 (5GHz)		Wi-Fi 5 Wave 2 @ 867Mbps (2x2:2 MU-MIMO)	Wi-Fi 5 Wave 2 @ 867Mbps (2x2:2 MU-MIMO)	
POWER SUPPLY		IEEE 802.3at PoE (PD) / AC adapter	IEEE 802.3at PoE (PD)	IEEE 802.3at PoE (PD) / AC adapter	IEEE 802.3at PoE (PD) / AC adapter
ENVIRONMENTAL	Indoor / outdoor usage	Indoor	Outdoor	Indoor	Indoor
	Temperature range	0ºC to 50ºC	-40ºC to 65ºC	0ºC to 50ºC	0ºC to 45ºC
MANAGEMENT	Operations management	Standalone / controlled mode	Standalone / controlled mode	Standalone / controlled mode	Standalone / controlled mode
	Web-based GUI	HTTP, HTTPS	HTTP, HTTPS	HTTP, HTTPS	HTTP, HTTPS
	SNMP	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	Vista Manager EX + AWC	■	■	■	■
	Vista Manager Lite + AWC	■	■	■	■
SECURITY	RADIUS / IEEE 802.1x / SSL	■	■	■	■
	Encryption	WEP, WPA/WPA2, WPA3	WEP, WPA/WPA2, WPA3	WEP, WPA/WPA2, WPA3	WEP, WPA/WPA2, WPA3
	MAC filtering	■	■	■	■
BRIDGING	VLAN	■	■	■	■
WIRELESS	AWC-CB Channel Blanket	■	■	■	
	AWC-SC Smart Connect	■	■	■	
	IEEE 802.11e (WMM)		■	■	■
	Mode: infrastructure	Access point	Access point	Access point	Access point
	Wireless Distribution System (WDS)	■	■	■	■
	Captive portal	■	■	■	■
	Virtual AP	■	■	■	■
	Passpoint Certified		■	■	
	VLAN to Virtual AP mapping	■	■	■	■
	Regulatory domain compliance	■	■	■	■
	Rogue AP detection	■ through AWC	■ through AWC	■ through AWC	■ through AWC
	Antenna	Embedded antennas	External antennas	Embedded antennas	Embedded antennas
	Wi-Fi certified	■	■	■	■
	Cisco mounting bracket adapter	■		■	■
	Fortinet mounting bracket adapter	■		■	■

*Future versions will support

Wireless Accessories

PoE Injector

Feeding protected PoE to any Fast and Gigabit Ethernet equipment without having to replace non-PoE switches.

FEATURES		6101GP	7101GHTm
FORM FACTOR		Desktop	Desktop
PORTS AND MEDIA SUPPORT	10/100/1000T	1	
	10/100/1000T / 2.5G / 5G Base-T		1
POWER SUPPLY	PSU type	Fixed internal	External
POWER OVER ETHERNET	IEEE 802.3af	■	■
	IEEE 802.3at	■	■
	IEEE 80.3bt		■
	PoE-enabled ports	1	1
	Max number of full power ports	1	1
	Mode	A	■
	PoE power	30W	60W
ENVIRONMENTAL	Cooling	Fanless	Fanless
MANAGEMENT		Unmanaged	Unmanaged

PoE MODE
A: Feeding and receiving power on data pairs
B: Feeding and receiving power on spare pairs

PSE
Power Sourcing Equipment feeding power to a Powered Device.

PD
Powered Device receives power from Power Sourcing Equipment.

WMM
Wireless Multimedia is a Wi-Fi Alliance interoperability certification that provides basic Quality of Service (QoS) to applications running over Wi-Fi.

BRKT-CONV-AP1

Mounting adapter to install TQ Series access points on existing Fortinet and Cisco brackets, to replace a legacy installation without installing a new bracket on the wall or on the ceiling. The adapter can be installed over:

Cisco Bracket:
AIR-AP-BRACKET-1
AIR-AP-BRACKET-2
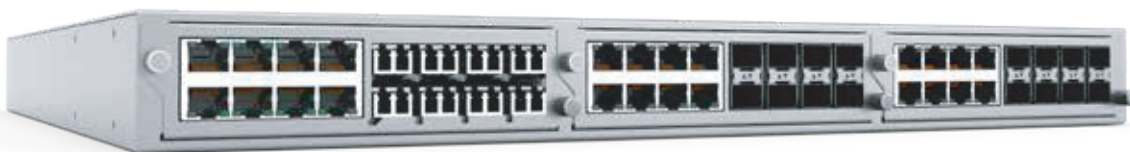
Fortinet Bracket:
650-00234

Media Converters

Solutions that let you extend and evolve your network.

Allied Telesis media converters extend network distances by adding fiber and VDSL (via coax and telephone-grade twisted pair) only where it is needed. This enables customers to keep pace with changing technology and to integrate high-bandwidth devices into the network without changing the entire network infrastructure. From standalone units to chassis-based blades, Allied Telesis media converters are highly configurable to meet every need.

Allied Telesis media converters enable the connection of disparate cabling types in networks where many cabling types exist. Network segments may also operate at different speeds, and media converters can be used to convert between speeds. Typically, media converters are used to connect copper and fiber-optic cabling that coexist in a network. Media converters exist in a variety of standalone, multi-port, and modular forms. These different physical forms address the need for different applications and conversion densities.

Unmanaged

FEATURES	STANDALONE MEDIA CONVERTERS	
	MMC6005	**MMC6006**
PORTS Port 1	10/100/1000T	10/100/1000T
Port 2	RJ-11 VDSL/2	BNC VDSL/2
VDSL2 STANDARD	ITU G.993.2	
MAX DISTANCE	3 km	2 km
FUNCTIONALITY Rate and speed	■	■
Smart MissingLink support	■	■
Max frame size	10KB	10KB
Diagnostic LEDs	4	4
POWER SUPPLY PSU type	External	External
Multi-region	■	■
Compatible with rackmount chassis	MMCR18 MMCTRAY6	MMCR18 MMCTRAY6

MMC Series

The Allied Telesis MMC Series of mini media converters leverages its smaller size to not only help the environment with a small carbon footprint, but also to save space in its working environment. Despite its compact size, the MMC Series delivers all the power and functionality of standard size media converters.

FEATURES	FAST ETHERNET, GIGABIT AND 10G STANDALONE OR RACKMOUNTABLE MINI MEDIA CONVERTERS							
	MMC200 /LC/SC/ST	**MMC200LX /SC/ST**	**MMC1000/SP**	**MMC2000 /LC/SC/ST**	**MMC2000/SP MMC2000I/SP †**	**MMC2000LX LC/SC**	**MMC2000/T**	**MMC10G MMC10GT**
PORTS Port 1	10/100/1000T	10/100/1000T	100/1000T	10/100/1000T	10/100/1000T	10/100/1000T	10/100/1000T	10GT or SFP+
Port 2 (available in these connector types)	100FX (LC) 100FX (SC) 100FX (ST)	100FX (SC) 100FX (ST)	100/1000 SFP	1000SX (LC) 1000SX (SC) 1000SX (ST)	100/1000 SFP	1000LX (LC) 1000LX (SC)	10/100/1000T	SFP+ or SFP
Type	MMF	SMF	SMF / MMF	MMF	SMF / MMF	SMF		SMF / MMF
IEEE STANDARD	100FX	100LX	100FX / 1000X	1000SX	100FX / 1000X	1000LX	10/100/1000T	10G Base-T 10G Base-X
Tx WAVELENGTH	1310 nm	1310 nm	Depends on SFP	850 nm	Depends on SFP	1310 nm		Depends on SFP
Rx WAVELENGTH	1310 nm	1310 nm	Depends on SFP	850 nm	Depends on SFP	1310 nm		Depends on SFP
MAX DISTANCE	2 km	20 km	Depends on SFP	550 m	Depends on SFP	20 km	100 m	Depends on SFP
FUNCTIONALITY Rate and speed	■	■	■	■	■	■	■	■
Smart MissingLink support	■	■	■	■	■	■	■	■
Max frame size	10KB	10KB	10KB	10KB	10KB	10KB	10KB	
Diagnostic LEDs	4	4	4	4	4	4	4	4
Smark Link restoration	■	■	■	■	■	■	■	■
POWER SUPPLY PSU type	External	External	External	External	External	External	External	External
Multi-region	■	■	■	■	■	■	■	■
Compatible with a rackmount chassis	MMCR18 MMCTRAY6	MMCR18 MMCTRAY6	MMCR18 MMCTRAY6	MMCR18 MMCTRAY6	MMCR18 MMCTRAY6	MMCR18 MMCTRAY6	MMCR18 MMCTRAY6	MMCR18 * MMCTRAY6

* limitations will apply
† I = Industrial Temperature

Desktop Powered

The Allied Telesis DMC100 and DMC1000 Series of Gigabit mini media converters are among the smallest media converters in the market today. At just 1.25 in wide x 3.6 in deep x 0.85 in high, these media converters can easily fit into the palm of your hand. In addition to being compact — with a small carbon footprint — the DMC Series can be powered with the included micro USB to USB cable plugged into your PC or laptop, or with an external wall-type power adapter.

The UMC Series are powered and transfer data via the USB port. There is no need for copper cabling or a power cable to enable fiber to the desktop, workstation or laptop. Simply plug the fiber into the UMC200/2000 and the USB port into the PC.

FEATURES	FAST ETHERNET AND GIGABIT DESKTOP USB OR EXTERNAL POWERED		SUPERSPEED USB 3.1/USB-C/USB-A TO FIBER MEDIA CONVERTERS	
	DMC100 /LC/SC/ST	**DMC1000 /LC/SC/ST**	**UMC200 /SC/ST**	**UMC2000 /SC/LC/SP**
PORTS Port 1	100TX	1000T	USB 3.1 / USB-C / USB-A	USB 3.1 / USB-C
Port 2	100FX (LC) 100FX (SC) 100FX (ST)	1000SX (LC) 1000SX (SC) 1000SX (ST)	100FX (SC) 100FX (ST)	1000SX (LC) 1000SX (SC) 100 or 1000 SFP (SP)
Type	MMF	MMF	MMF	MMF
IEEE STANDARD	100FX	1000SX	100FX	1000SX (SP depends on SFP)
Tx WAVELENGTH	1310 nm	850 nm	1310 nm	850 nm (SP depends on SFP)
Rx WAVELENGTH	1310 nm	850 nm	1310 nm	850 nm (SP depends on SFP)
MAX DISTANCE	2 km	550 m	2 km	550 m (SP depends on SFP)
FUNCTIONALITY Smart MissingLink support	■	■	■	■
Max frame size	16KB	16KB	16KB	16KB
Diagnostic LEDs	4	4	4	4
Smark Link restoration	■	■	■	■
Wake-on-LAN			■	■
POWER SUPPLY PSU type	External	External	USB	USB

Mounting Hardware

The majority of unmanaged Allied Telesis media converters can be mounted in a number of ways.

Desktop

All Allied Telesis media converters have the option to be fitted with rubber feet. These allow the product to be positioned on the desktop.

Rack

Larger multi-channel and modular media converters ship with 19" rackmount kits.

MMC Rack

▶ **MMCR18**
This chassis allows mounting of up to 18 standalone MMC Series media converters. The chassis supports optional redundant power supplies and can be AC or DC powered. Standard, 19-inch, rack.

▶ **MMCTRAY6**
This 1RU rackmount tray allows the mounting of up to six MMC Series media converters.

PoE & Industrial

PoE Series

Allied Telesis PC PoE Series media converters are the ideal solution for powering remote devices such as IP phones, video cameras, wireless access points, etc., which are more than 100 m from a Power over Ethernet switch.

FEATURES		POE GIGABIT ETHERNET STANDALONE		POE FAST ETHERNET STANDALONE
		PC2000 /LC/SC	PC2000/SP	PC200/SC
PORTS	Port 1	10/100/1000T	10/100/1000T	10/100TX
	Port 2	1000SX (LC) 1000SX (SC)	SFP 100/1000X	100FX
	Connector	LC or SC	SFP *	SC
IEEE STANDARD		1000SX	100FX, 1000SX, 1000LX	100FX
Tx WAVELENGTH		850 nm	Depends on SFP	1310 nm
Rx WAVELENGTH		850 nm	Depends on SFP	1310 nm
MAX FIBER DISTANCE		550 m	Depends on SFP	2 km
FUNCTIONALITY	Rate and speed	■	■	■
	Smart MissingLink support	■	■	■
	Max frame size	10KB	10KB	10KB
	Diagnostic LEDs	6	6	6
	Smark Link restoration	■	■	
POWER OVER ETHERNET	PoE+ -enabled ports	1	1	1
	Max no. of full power ports	1	1	1
	Mode	A	A	A
	PoE power	IEEE 802.3at (30W)	IEEE 802.3at (30W)	IEEE 802.3at (30W)
POWER SUPPLY	PSU type	Internal	Internal	Internal
	Multi-region	■	■	■

* Dependant on SFP

Allied Telesis industrial Ethernet media converters offer an operating range from -40° to 75°C. The temperature-hardened IMC Series features Plug-and-Play and auto-negotiation.

IMC Series

Allied Telesis industrial media converters are the perfect fit for networks needing an extended temperature range. They extend the distance of the network by converting data between twisted pair cabling and multi-mode or single-mode fiber-optic cabling.

These industrial rate and media converters are capable of accepting 100MB or Gigabit SFP modules (auto sensing). With Remote Power Cycle you do not need to be onsite to cycle the power on the end device, saving you time and money.

FEATURES		INDUSTRIAL MEDIA CONVERTERS			
		IMC2000TP /SC/SP	IMC2000T /SC/SP	IMC200TP/SC	IMC200T/SC
PORTS	Port 1	10/100/1000T	10/100/1000T	10/100TX	10/100TX
	Port 2	1000X SFP (SP), 1000SX (SC)	1000X SFP (SP), 1000SX (SC)	100FX	100FX
	Connector	SFP (SP) or SC	SFP (SP) or SC	SC	SC
IEEE STANDARD		100FX / 1000X SFP (SP) 1000SX (SC)	100FX / 1000X SFP (SP) 1000SX (SC)	100FX	100FX
Tx WAVELENGTH		Depends on SFP (SP), 850 nm (SC)	Depends on SFP (SP), 850 nm (SC)	1310 nm	1310 nm
Rx WAVELENGTH		Depends on SFP (SP), 850 nm (SC)	Depends on SFP (SP), 850 nm (SC)	1310 nm	1310 nm
MAX FIBER DISTANCE		Depends on SFP (SP), 550 nm (SC)	Depends on SFP (SP), 550 nm (SC)	2 km (SC)	2 km (SC)
FUNCTIONALITY	Rate and speed	■	■	■	■
	Max frame size	10KB	10KB	10KB	10KB
	Diagnostic LEDs	■	■	■	■
POWER OVER ETHERNET	IEEE 802.3at Class 4	■		■	
	IEEE 802.3at PoE+ and LTPoE++, 4-pair up to 70W	■		■	
	PoE enabled ports	1		1	
	Mode	A		A	
POWER SUPPLY	PSU type	-48 to 57vDC	-12 to -48vDC	-48 to 57vDC	-12 to -48vDC

Chassis-Based

MCF3000 Series

The Allied Telesis MCF3300 is a 1RU, three blade, chassis able to support up to 24 conversions, (dependent on connector type). This chassis is powered by hot-swappable AC or DC power supplies. This allows for flexibility amongst connection types/speeds as well as the industry's smallest form factor for up to 24 media conversions at 1RU high.

With both Gig (MCF3000) and 10 Gig (MCF3010) blades the MCF3300 chassis family will be able to handle the most robust conversion needs. The SFP port on the MCF3000/8SP enables backward compatibility to 100MB networks, while the SFP+ port on the MCF3010T/4SP will handle 10G distances beyond the standard 220m using our complete line of optics.

▶ **MCF3300**
  3-slot up to 24 media converter chassis

▶ **MCF3000/8SP**
  8 x 100/1000MB SFP to 10/100/1000T

▶ **MCF3000/8LC**
  8 x 1000SX/LC to 10/100/1000T

▶ **MCF3010T/4SP**
  4 x 10GT to SFP+

▶ **MCF3010SP/4SP**
  4 x SFP+ to SFP+

▶ **MCF3000M**
  Management module

» Configure, monitor, troubleshoot remotely via the management module
» Backup/restore/upgrade
» Ethernet interfaces
» USB console port
  1 RU, 3-slot design
» Complete system hardware monitoring
» Missing Link/Smart Missing Link
» Enhanced user management
» Syslog (System Logging)
» Multiple IP addressing modes (IPv4/IPv6, DHCP, Static, Bootp)
  SNMP v1, SNMP v2c, and SNMP v3
» Ability to shut down a port or whole card for power saving or security
» Ability to enable/disable remote management
» Limited AMF support
» Redundant Power Supply (capable)

SFP/SFP+ Optics
Learn more about Allied Telesis pluggable optics on pages 44–47.

Network Adapters

We're the market leader for fiber adapters with fast, secure and reliable solutions.

From 100Mbps to 10 Gigabit, Allied Telesis seamlessly connects desktops, laptops, servers, and thin clients with a continually expanding portfolio of high-quality, reliable, and cost-effective network adapters.

As the worldwide leader in fiber adapter cards Allied Telesis continues to offer the highest-quality cards at competitive prices. With offerings from 100FX to 10 Gig, we have a card to fit your secure fiber optic network needs.

ANC/DNC Series

Large file transfers, multimedia support and more and more users are causing high demand on network resources. These issues are taxing on bandwidth.

Allied Telesis single and dual-port, 10 Gigabit adapters offer cost-effective solutions for your file or application server, workstation, or desktop.

DNC10LC

The Allied Telesis DNC10LC fiber network adapter card utilizes a fixed LC optical connection for enhanced physical security. The 10G DNC10LC is an ideal fit for federal and other mission-critical applications, where security is of paramount importance.

		SFP+ 10 GIGABIT			RJ-45 10 GIGABIT	10G FIBER
FEATURES		**ANC10Sa/2**	**ANC10T/2**	**DNC10SP**	**DNC10T**	**DNC10LC**
BUS TYPE		PCIe (×8)	PCIe (×8)	PCIe (×4)	PCIe (×4)	PCIe (x4)
PORTS AND MEDIA SUPPORT	Connector type	2 x SFP+	2 x 10T	SFP or SFP+	RJ-45	LC
	Fiber type	MMF, SMF	RJ-45	MMF, SMF		MMF
	Max distance	Depends on SFP+	100m (Cat6A or better)	Depends on SFP+	100 m	550 m
QoS	IEEE 802.1p priority queues	■	■	■	■	■
PERFORMANCE	TCP/IP checksum CPU offload	■	■	■	■	■
	Jumbo frames	■	■	■	■	■
	Link aggregation support	■	■	■	■	■
	Link aggregation failover	■	■	■	■	■
	iSCSI Boot	■	■			
MANAGEMENT	Managed boot agent (PXE/UEFI)	2.1	2.1	■	■	■
	VLAN support	■	■	■	■	■
	Windows Server Teaming	■	■	■	■	■
DRIVER SUPPORT	Windows Server 2019	■	■	■	■	■
	Windows Server 2022	■	■	■	■	■
	Windows 10	■	■	■	■	■
	Windows 11	■	■	■	■	■
	Linux	■	■	■	■	■
IPv4/IPv6 SUPPORT		■	■	■	■	■
DIAGNOSTICS	LEDs	■	■	■	■	■
PHYSICAL	Low profile bracket and full height provided	■	■	■	■	■

SFP/SFP+ Optics
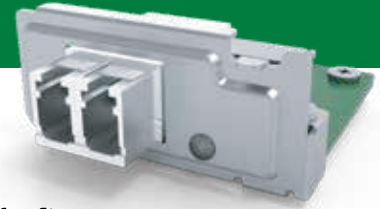Learn more about Allied Telesis pluggable optics on pages 44-47.

29xx Series

Allied Telesis 29xx network adapters provide the maximum possible bandwidth and bus efficiency with the benefits of low-power consumption. They include a comprehensive Microsoft Windows utility which performs detailed tests, diagnostics and analysis.

		GIGABIT COPPER	COPPER AND FIBER
FEATURES		**2911T/2**	**2914GP**
BUS TYPE		PCIe (x1)	PCIe (x1)
PORTS AND MEDIA SUPPORT	10/100/1000T PoE		IEEE 802.3at (30W)
	10/100/1000T	■ (2 ports)	
	100FX		SFP
	1000X		1000Mbps SFP
FIBER TYPE			100/1000 SFP
MAX FIBER DISTANCE			Depends on SFP
QoS	IEEE 802.1p priority queues	■	■
PERFORMANCE	TCP/IP checksum CPU offload	■	■
	Jumbo frames	■	■
	Windows Server Teaming	■	■
MANAGEMENT	Wake-on-LAN	■	Copper port
	Managed boot agent (PXE/UEFI)	2.1	2.1
	VLAN support	■	■
	Advanced power management (ACPI)	■	■
	SNMP	■	■
DRIVER SUPPORT	Windows Server 2022	■	■
	Windows 10	■	■
	Windows 11	■	■
	Linux	■	■
IPv6 SUPPORT		■	■
DIAGNOSTICS	LEDs	■	■
	Virtual cable tester	■	
PHYSICAL	Low profile bracket and full height provided	■	■

SFP/SFP+ Optics
Learn more about Allied Telesis pluggable optics on pages 44–47.

27M2 29M2

The Allied Telesis 27M2 and 29M2 network adapters are ideal for fiber-to-the-desktop networks that depend on secure and reliable systems. These compact form-factor adapters are designed for specific HP and DELL systems. Please contact your sales person for more information.

| FEATURES		GIGABIT FIBER				FAST ETHERNET FIBER
		2914SX /LC/SC	2914SP	2911SX LC/SC/ST	2911SFP/2	2711FX LC/SC/ST
BUS TYPE		PCIe (x1)	PCIe (x1)	PCIe (x1)	PCIe (x1)	PCIe (x1)
PORTS AND MEDIA SUPPORT	100FX		SFP			LC, SC, ST
	1000X	LC, SC	SFP	LC, SC, ST	1000Mbps SFP (2 ports)	
FIBER TYPE		MMF	100/1000 SFP	MMF	Depends on SFP	MMF
MAX FIBER DISTANCE		220 m / 500 m	Depends on SFP	220 m / 500 m	Depends on SFP	2 km
QoS	IEEE 802.1p priority queues	■	■	■	■	■
PERFORMANCE	TCP/IP checksum CPU offload	■	■	■	■	■
	Jumbo frames	■	■	■	■	■
	Windows Server Teaming	■	■	■	■	■
MANAGEMENT	Wake-on-LAN	■	■			■
	Managed boot agent (PXE/UEFI)	2.1	2.1	2.1	2.1	2.1
	VLAN support	■	■	■	■	■
	Advanced power management (ACPI)	■	■	■	■	■
	SNMP	■	■	■	■	■
DRIVER SUPPORT	Windows Server 2022	■	■	■	■	■
	Windows 10	■	■	■	■	■
	Windows 11	■	■	■	■	■
	Linux	■	■	■	■	■
IPv6 SUPPORT		■	■	■	■	■
DIAGNOSTICS	LEDs	■	■	■	■	■
	Virtual cable tester	■	■	■	■	■
PHYSICAL	Low profile bracket and full height provided	■	■	■	■	■

Advanced Power Management (ACPI)

ACPI is part of the environmental control initiative for computers. Allied Telesis adapter cards support ACPI, which places the system in a low power state when it is not receiving or transmitting data.

Wake-on-LAN (WoL)

WoL is a feature of adapter cards that allows a computer fitted with a card to be remotely powered-on. The computer receives a special data packet via the network port that will cause the computer to boot. This, coupled with PXE support, allows network administrators to gain complete access to all computers on their networks.

Preboot Execution Environment (PXE) Support

PXE allows network administrators to perform preboot procedures on a system, such as installing an operating system, running a virus checker, or downloading a predefined system configuration. PXE support included in Allied Telesis adapter cards allows a workstation or computer to boot from a remote server connected to the network prior to booting from the local hard drive.
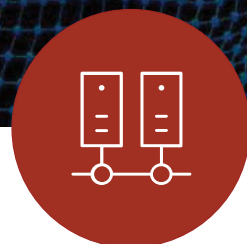
Transceiver Modules

Offering a wide variety of products to round out your end-to-end network solution.

Allied Telesis optics provide fiber and copper connectivity for the full range of Allied Telesis product lines. Pluggable transceivers allow one product the flexibility to expand by media type (copper or fiber), speed (Fast Ethernet and 1, 10, 40, or 100 Gigabit), and/or distance (220 m to 120 km).

Allied Telesis offers SFP, cSFP, SFP+, QSFP+ and QSFP28 pluggable transceivers, which comply with industry networking regulations. This compliance allows Allied Telesis pluggable optics to be used on any industry-standard networking equipment.

Pluggable Transceivers

QSFP Series

The QSFP Series offers the latest industry-standard 40 Gigabit Ethernet connectivity in a flexible, small form factor. It is ideal for Datacom/Telecom switch and router connections, as well as data aggregation, backplane, proprietary protocol, and high-density applications. This hot-swappable transceiver simply plugs into a QSFP slot on any compatible Allied Telesis product.

FEATURES	100 GIGABIT FIBER (QSFP28)	
	QSFP28-SR4	QSFP28-LR4
FORM FACTOR	QSFP28	QSFP28
FIBER TYPE	MMF	SMF
NUMBER OF FIBERS	2 (Rx, Tx)	2 (Rx, Tx)
SPEED	100G	100G
DIGITAL DIAGNOSTICS MONITORING (DDM)	■	■
Rx WAVELENGTH	850 nm	4 CDWM Lanes *
Tx WAVELENGTH	850 nm	4 CDWM Lanes *
MAX DISTANCE	Up to 100 m	Up to 10 km
CONNECTOR TYPE	MPO-12	LC
TEMPERATURE	0°C to 70°C	0°C to 70°C

* Central wavelengths of the 4 CWDM channels - 1296 n 1300 nm, 1304 nm, 1308 nm

FEATURES	40 GIGABIT FIBER (QSFP+)			
	QSFPSR4	QSFPSR4LCa	QSFPLR4	QSFPER4
FORM FACTOR	QSFP+	QSFP+	QSFP+	QSFP+
FIBER TYPE	MMF	MMF	SMF	SMF
NUMBER OF FIBERS	2 (Rx, Tx)	2 (Rx, Tx)	2 (Rx, Tx)	2 (Rx, Tx)
SPEED	40G	40G	40G	40G
DIGITAL DIAGNOSTICS MONITORING (DDM)	■	■	■	■
Rx WAVELENGTH	850 nm	850 nm	4 CWDM lanes *	4 CWDM lanes *
Tx WAVELENGTH	850 nm	850 nm	4 CWDM lanes *	4 CWDM lanes *
MAX DISTANCE	Up to 150 m	Up to 150 m	Up to 10 km	Up to 40 km
CONNECTOR TYPE	MPO-12	LC	LC	LC
TEMPERATURE	0°C to 70°C	0°C to 70°C	0°C to 70°C	0°C to 70°C

* Central wavelengths of the 4 CWDM channels - 1271, 1291, 1311 and 1331 nm
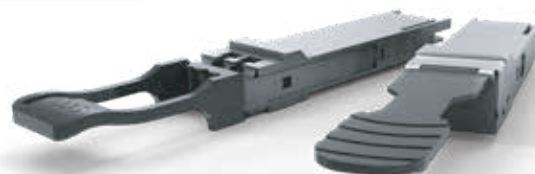
QSFP+ Cables

▶ **QSFP1CU**
QSFP+ 1 m cable

▶ **QSFP3CU**
QSFP+ 3 m cable

QSFP28 Cables

▶ **QSFP28-1CU**
100G DAC, passive, 1 m

▶ **QSFP28-3CU**
100G DAC, passive, 1 m

Breakout Cables

▶ **QSFP-4SFP10G-3CU**
QSFP+ port to 4 × 10G ports, 3 m

▶ **QSFP-4SFP10G-5CU**
QSFP+ port to 4 × 10G ports, 5 m

Optical Cables

▶ **MTP12-1**
MTP cable for QSFP+ Series, 1 m

▶ **MTP12-5**
MTP cable for QSFP+ Series, 5 m

SP10 Series (SFP+)

The SP10 Series offers customers a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise, and service provider transport applications. These hot-swappable devices plug into an Ethernet SFP+ port and have the smallest 10G form factor in the industry. Configurations can be optimized to meet a variety of distance and service requirements.

cSFP Series

The cSFP Series offers two channel Bi-Directional SFP designed expressly for high-speed communication applications. This hot-pluggable transceiver simply plugs into a cSFP slot on an Allied Telesis product for convenient transmission capacity upgrade.

INDUSTRIAL **EXTENDED**

Temperatures

Different network environments call for a variety of temperature ranges. Allied Telesis supports a wide range of industrial temperature optical accessories for use in all its extended and industrial temperature products. The SP Series is available in standard (0-70°C), industrial (-40 to 85°C), and extended (-40 to 105°C) temperature variants.

FEATURES	10 GIGABIT FIBER TRANSCEIVERS (SFP+)				10 GIGABIT BIDI FIBER TRANSCEIVERS (SFP+)		
	SP10SR SP10SR/I	SP10LRa/I	SP10ER40a/I	SP10ZR80/I	SP10BD10/I-12 SP10BD10/I-13	SP10BD20-12 SP10BD20-13	SP10BD40/I-12 SP10BD40/I-13
FORM FACTOR	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+
FIBER TYPE	MMF	SMF	SMF	SMF	SMF	SMF	SMF
NUMBER OF FIBERS	2 (Rx, Tx)	2 (Rx, Tx)	2 (Rx, Tx)	2 (Rx, Tx)	1 (BiDi)	1 (BiDi)	1 (BiDi)
SPEED	10G	10G	10G	10G	10G	10G	10G
DIGITAL DIAGNOSTICS MONITORING (DDM)	■	■	■	■	■	■	■
Rx WAVELENGTH	850 nm	1310 nm	1550 nm	1550 nm	1330 nm (12) 1270 nm (13)	1330 nm (12) 1270 nm (13)	1330 nm (12) 1270 nm (13)
Tx WAVELENGTH	850 nm	1310 nm	1550 nm	1550 nm	1270 nm (12) 1330 nm (13)	1270 nm (12) 1330 nm (13)	1270 nm (12) 1330 nm (13)
MAX DISTANCE	300 m	10 km	40 km	80 km	10 km	20 km	40 km
CONNECTOR TYPE	LC	LC	LC	LC	LC	LC	LC
TEMPERATURE	0°C to 70°C (SR) -40°C to 85° (SR/I)	-40°C to 85°	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	0°C to 70°C	-40°C to 85°C

Twinax Cables

▶ **SP10TW1**
10G SFP+ Twinax, 1 m

▶ **SP10TW3**
10G SFP+ Twinax, 3 m

▶ **SP10TW7**
10G SFP+ Twinax, 7 m

FEATURES	GIGABIT FIBER TRANSCEIVERS (SFP)					
	SPSX SPSX/I SPSX/E	SPSX/SC	SPEX SPEX/E	SPLX10a SPLX10/I SPLX10/E	SPLX40 SPLX40/E	SPZX120/I
FORM FACTOR	SFP	SFP	SFP	SFP	SFP	SFP
FIBER TYPE	MMF	MMF	MMF	SMF	SMF	SMF
NUMBER OF FIBERS	2 (Rx, Tx)	2 (Rx, Tx)	2 (Rx, Tx)	2 (Rx, Tx)	2 (Rx, Tx)	2 (Rx, Tx)
SPEED	1000Mbps	1000Mbps	1000Mbps	1000Mbps	1000Mbps	1000Mbps
DIGITAL DIAGNOSTICS MONITORING (DDM)	■ (SX/I)	■		■ (10/I)	■ (40)	■
Rx WAVELENGTH	850 nm	850 nm	1310 nm	1310 nm	1310 nm	1550 nm
Tx WAVELENGTH	850 nm	850 nm	1310 nm	1310 nm	1310 nm	1550 nm
MAX DISTANCE	220 / 550 m 550 m (SX/E)	220 / 550 m	2 km	10 km	40 km	120 km
CONNECTOR TYPE	LC	SC	LC	LC	LC	LC
TEMPERATURE	0°C to 70°C (SX) -40°C to 85°C (SX/I) -40°C to 105°C (SX/E)	0°C to 70°C	0°C to 70°C (EX) -40°C to 105°C (EX/E)	0°C to 70°C (10) -40°C to 85°C (10/I) -40°C to 105°C (10/E)	0°C to 70°C (40) -40°C to 105°C (40/E)	-40°C to 85°C

SFP Series (SP)

The SP Series delivers flexible, full-duplex Ethernet connectivity. These hot-swappable fiber interfaces simply plug into an SFP slot on Allied Telesis products that are SFP compatible. Configurations can be optimized to meet a variety of distance and service requirements.

FEATURES	FAST ETHERNET FIBER TRANSCEIVERS		
	SPFX/2	SPFX30/I	SPFX/SC
FORM FACTOR	SFP	SFP	SFP
FIBER TYPE	MMF	SMF	MMF
NUMBER OF FIBERS	2 (Rx, Tx)	2 (Rx, Tx)	2 (Rx, Tx)
SPEED	100Mbps	100Mbps	100Mbps
DIGITAL DIAGNOSTICS MONITORING (DDM)	■	■	■
Rx WAVELENGTH	1310 nm	1310 nm	1310 nm
Tx WAVELENGTH	1310 nm	1310 nm	1310 nm
MAX DISTANCE	2 km	30 km	2 km
CONNECTOR TYPE	LC	LC	SC
TEMPERATURE	0°C to 70°C	-40°C to 105°C	0°C to 70°C

FEATURES	COPPER RJ-45 TRANSCEIVERS		
	SPTX-90	SPTXc	SP10TM
FORM FACTOR	SFP	SFP	SFP+
SPEED	1000T	1000T	100M / 1G / 2.5G / 5G / 10G
MAX DISTANCE	100 m	100 m	100 m
CONNECTOR TYPE	RJ-45	RJ-45	RJ-45
TEMPERATURE	0°C to 70°C	0°C to 70°C	-5°C to 85°C

TAA Compliant

Allied Telesis provides many options for Trade Act Compliant (TAA) optics. These products are manufactured in TAA compliant countries and continue our commitment to providing a wide range of offerings for any network requirement.

Contact your sales representative for a complete list of TAA compliant products.

FEATURES	GIGABIT BIDI FIBER TRANSCEIVERS (SFP)		COMPACT GIGABIT FIBER (CSFP)	GIGABIT OPTICS (NSP)	
	SPBD10-13 SPBD10-14	SPBD20LC/I-13 SPBD20LC/I-14	SPBD20DUAL-14 SPBD40DUAL-14	SPBD20-13/I SPBD20-14/I	SPBD40-13/I SPBD40-14/I
FORM FACTOR	SFP	SFP	CSFP	SFP	SFP
FIBER TYPE	SMF	SMF	SMF	SMF	SMF
NUMBER OF FIBERS	1 (BiDi)	1 (BiDi)	2 (BiDi)	1 (BiDi)	1 (BiDi)
SPEED	1000Mbps	1000Mbps	1000Mbps	1000Mbps	1000Mbps
DIGITAL DIAGNOSTICS MONITORING (DDM)		■	■	■	■
Rx WAVELENGTH	1490 nm (13) 1310 nm (14)	1490 nm (13) 1310 nm (14)	1310 nm	1490 nm (13/I) 1310 nm (14/I)	1490 nm (13/I) 1310 nm (14/I)
Tx WAVELENGTH	1310 nm (13) 1490 nm (14)	1310 nm (13) 1490 nm (14)	1490 nm	1310 nm (13/I) 1490 nm (14/I)	1310 nm (13/I) 1490 nm (14/I)
MAX DISTANCE	10 km	20 km	20 km 40 km	20 km	40 km
CONNECTOR TYPE	LC - BiDi	LC - BiDi	2 × LC	SC	SC
TEMPERATURE	0°C to 70°C	-40°C to 85°C	-40°C to 85°C	-40°C to 95°C	-40°C to 85°C

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