

X20 Anywhere Network Node



X20 Anywhere Network Node is a high-performance dual 5 GHz radios wireless backhaul unit designed for flexible and expandable deployment regardless of physical constraints.

Our Connectivity Technology breaks the traditional hopping limitation of wireless networks by tackling the multi-hop bandwidth degradation, enables X20 to extend connectivity to the locations where extensive fiber optic cabling is unfeasible due to a tight timescale and supports over 10 hops and up to 600 Mbps world's leading end-to-end ring topology backhauling speed.

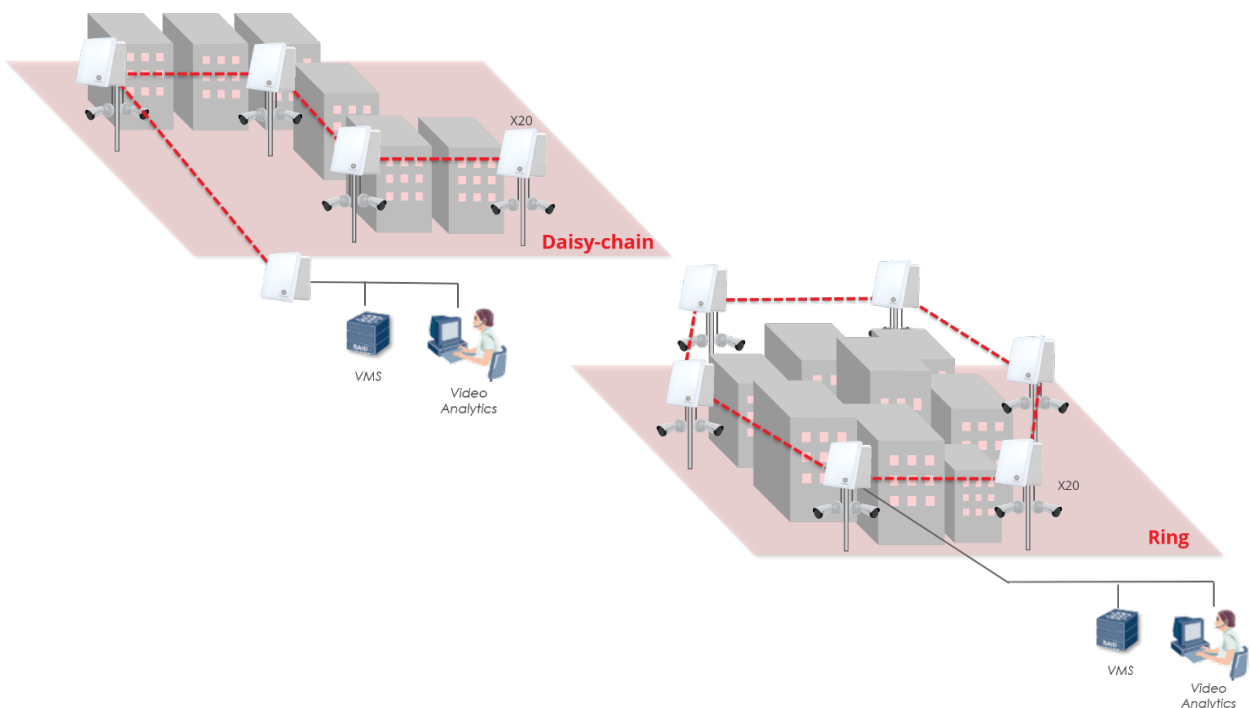
Ultra high throughput wireless surveillance backhauling

- Up to 600 Mbps throughput
- IP 67 weatherproof

Greater than 10 hops backhauling

- 20/40/80 MHz channel
- 2 × 5 GHz radio

Deployment Architecture





X20 Anywhere Network Node Specifications

Wireless		
Operating Frequency ¹	5.150 - 5.350 GHz 5.470 - 5.850 GHz	
Modulation	OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM DSSS: DBPSK, DQPSK, CCK	
No. of Spatial Stream	2x2: 2 MIMO	
Channel Bandwidth ¹	20/40/80 MHz Channel	
Data Rate	173 Mbps (20MHz); 400 Mbps (40 MHz); 867 Mbps (80 MHz)	
Receive Sensitivity	-91 dBm (20 MHz); -88 dBm (40 MHz); -85 dBm (80 MHz)	
Transmit Power	27 dBm (Max)	
Antenna		
Connected To	Radio 0	Radio 1
Type	Built-in 5 GHz	External 5 GHz
Gain	19 dBi	Optional
Polarization	Vertical & Horizontal	Antennas: 5 GHz 19 dBi Panel; More Options on Request
Horizontal Beamwidth	17°	
Vertical Beamwidth	17°	
VSWR	1.8 (Max.)	
Front-to-back Radio	-25 dB (Min.)	
Isolation	35 dB (Min.)	
Network		
Topology	Point-to-Point (PtP), Point-to-Multipoint (PtMP), Daisy-chain and Ring	
Redundancy	Flow-based Routing, Multiple Drop-off Point, Bonded Link	
Mobility	Mobile Mode	
Path Selection	Bandwidth-based metrics load balancing	
Traffic Optimization	BUM Traffic Management	
Features	End-to-End Layer 2 Transparent, VLAN 802.11Q pass-through	
Security		
Link Encryption	128-bit AES	
Client MAC Access Control	Whitelist ² , Blacklist	
Neighbor MAC Access Control	Whitelist, Blacklist	

Management	
User Interface	Anywhere Node Manager (A-NM) for A-OS
Support	Remote Firmware Upgrade, SNMP v1/v2c ² , MIB support ²
Hardware	
No. of Radio	2x5 GHz Radio
Network Interface	1xGE & PoE Port
LED	RUN; LAN; RADIO 0; RADIO 1
Power Supply	802.3at PoE Injector
Power Consumption	25 W (Max.)
Antenna Movement	±30° Up/Down-tilt
MTBF	350,000 hours (50 °C)
Physical Characteristics	
Dimensions	270 × 270 × 80 mm (w/o Mounting)
Weight	1.86 kg (Net w/o Mounting); 2.39 kg (Net w/ Mounting); 2.66 kg (Gross)
Mounting	Pole Mounting (ø40 to ø52 mm)
Environmental	
Temperature	-40 °C to 65 °C (Operating)
Humidity	5% to 95 % Non-condensing
Elevations	86 to 106 kPa
Wind Loading	256 km/h (Max.)
Weatherproof	IP67, 6 kV Common Mode Surge Protection
Certification	
FCC, CE, RCM, OFCA	
Standard Warranty	
First year free limited hardware warranty and firmware upgrade. The 1/3/5-year extended warranties are available under specific purchase terms and conditions.	
Ordering Information	
Part Number	GE.AP-X200-00
Description	X20 Dual 5GHz MeshRanger

¹operating frequency, transmit power and channel bandwidth vary by country/region settings

²available in the future updates

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