

DT50

Enterprise Smart Mobile Computer

5.7" Bezel-less display / IP67

Android 9.0 / Quick charge



5.7" Bezel-less display

The 5.7" high definition display and ultra sensitive touch panel provide users with exceptional experience, even when working under sunlight, with gloves, or with wet fingers.



Superior Performance

Android 9.0
GMS certified
Advance octa-core architecture boosts performance while greatly reduces power consumption. This is ideal for working with demanding application and long operation hours.



Quick Charge

DT50 is always ready for work by meeting the latest QC 4.0 requirement. It charges from empty to 50% in barely 30 minutes and thus achieves unprecedented duty cycle.



Rugged and Durable Design

Drop it, abuse it, and DT50 is still the trusted and reliable companion in the extremely demanding work environment. The DT50 is drop tested at 1.5m and has IP67 rating.



Professional Scan Engine

Integrated scan engine reads both 1D and 2D barcode, providing speedy and errorless data collection for various industrial and commercial applications.



RFID version



Fingerprint version

Optional Accessories



Single-slot Cradle



Scan Trigger



Power Pack



Hand Strap



Quad-slot Charging Cradle

SPECIFICATIONS DT50

PERFORMANCE CHARACTERISTICS

CPU	Octa-core 2.2GHz
Memory	RAM: 4GB, ROM:64GB RAM: 6GB, ROM: 128GB(Optional)
O.S.	Android 9.0

PHYSICAL CHARACTERISTICS

Display	5.7" TFT-LCD 720*1440 pixels 1080* 2160 pixels (Optional)
Touchpanel	Ultra sensitive capacitive touch panel, works with gloves and wet fingers; Corning Gorilla Glass; Multi-touch
Dimensions (L×W×H)	162.6mm× 76mm×13.6mm 6.4in× 3in× 0.53in
Weight	250g/8.8oz (include battery)
Power	Rechargeable 3.8V 4300mAh lithium polymer battery pack (Typical Operation time ≥10 hours) Support QC4.0 quick charge, charging time less than 3 hours
Micro-SD	Support DHC, SDXC (a maximum of 256GB)
SIM	2×Nano-SIM slots
Notification	LED, Speaker, Vibrator
Buttons	Scan button ×2, Power button, Volume +/- button, User definable button
Audio	Dual-microphone support with noise cancellation, high quality speaker, PTT headset support; cellular circuit switch voice

ENVIRONMENTAL

Operating Temperature	- 20°C ~ 60°C (-4°F~140°F)
Storage Temperature	- 40°C ~ 70°C (-40°F~158°F)
Humidity	5%RH ~ 95%RH(non condensing)
Drop Specification	Multiple 5 ft./1.5 m drops on concrete across full operating temperature range.
Tumble Specification	200 3.2ft/1.0 m tumbles
Thermal Shock	-40°C ~ 70°C (-40°F~158°F) rapid transition
Sealing	IP65/IP67
Vibration	2 Hz Random PK Sine, 10cm displacement withstands multi-side 5000 vibration tests
ESD	±15kV air discharge; ±8kV direct discharge

Fingerprint Version

Optical Sensor	FBI PIV and FBI Mobile ID FAP20 certificates Captures high-quality fingerprint images, distinguishes fake fingerprints made from various materials assuring highest security.
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DATA CAPTURE

Scanning	1D/2D imager
Camera	Front - 2MP/5MP Rear - 16MP+2MP auto-focus color rear camera with flash
NFC	ISO 14443 Type A and B; FeliCa/Mifare and ISO 15693 cards; Reader mode, P2P mode, Card Emulation mode Apple Enhanced Contactless Polling(ECP)

WIRELESS WAN DATA AND VOICE COMMUNICATIONS

Radio Frequency Band	TD-LTE(B34/B38/B39/B40/B41), FDD-LTE(B1/B2/B3/B4/B5/B7/B8/B12/B17/B19/B20/B28A/B28B), WCDMA(B1/B2/B4/B5/B8), TD-SCDMA(B34/B39) CDMA2000 1x EV-DO Rev.A BC0 (800MHz), CDMA 1x GSM/EDGE/GPRS(850/900/1800/1900)
GPS	Concurrent GPS; GLONASS; Galileo; BeiDou, and A-GPS
Vo-LTE	Support Vo-LTE HD video voice call

WIRELESS LAN

Radio	IEEE802.11a/b/g/n/ac/d/e/f/h/i/k/r/v/w; IPv4, IPv6, 2X2 MU-MIMO
Data Rates	5GHz:802.11a/n/ac----up to 866.7Mbps 2.4Ghz:802.11b/g/n---- up to 300Mbps
Operating Channels	2.4G: 1-13(Depend on regulatory rules & certification agency) 5G: 36,38,40,42,44,46,48,52,56,60,64,100,104,108,112,116, 120,124,128,132,136,140,149,153,157,161,165
Security and Encryption	WEP;WPA/WPA2-PSK(TKIP and AES); WAPI-PSK---EAP-TTLS, EAP-TLS, PEAP-MSCHAPv2, PEAP-LTS, PEAP-GTC, PWD, SIM, AKA
Fast Roaming	PMKID caching, 802.11r, OKC

WIRELESS PAN

Bluetooth	BT5.0 + BR/EDR + BLE
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INTERACTIVE SENSOR

Sensor	Acceleration sensor, light sensor, proximity sensor, 3-axis geomagnetic sensor, fingerprint sensor
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