

DT50

Champion
is back

Enterprise Mobile Computer

ULTIMATE PERFORMANCE

Octa-core extreme speed CPU delivered ultimate performance with low power consumption.

5.7" INCH GIANT SCREEN

High sensitivity and ultra-brightness screen, crystal sunlight visible experience.

PRECISELY BARCODE DECODING

Embedded market-leading scan engine, auto-correct damage/distortion barcode.

VARIOUS SPECIFIC ACCESSORIES

Flexible accessory available. Simpler, easier, and sharper.



 IP RATING
IP67 waterproof

 Drop resistance
MIL 1.5M drop

 CAMERA
13M pixel

 Battery
QC4.0 ready

 PARTNER CONNECT
Simplify your device
management

SPECIFICATIONS DT50Q

PERFORMANCE CHARACTERISTICS

CPU	Octa-core 1.8GHz(Qualcomm Snapdragon 636)
Memory	RAM: 4GB, ROM:64GB RAM: 6GB, ROM: 128GB(Optional)
O.S.	Android 9.0 (Pie)

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	265g/8.8oz (include battery)
Power	Rechargeable 3.85V 4300mAh lithium polymer battery pack(Typical Operation time ≥10 hours) Support QC4.0 quick charge, charging time less than 3 hours
Micro-SD	Micro SD card, up to 128GB extensions
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	400 roller drops of 1m, with a frequency of 10 roller test per minutes
Thermal Shock	- 40°C ~ 70°C (-40°F~158°F) rapid transition
Sealing	IP67
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 - 5MP Rear - 13MP 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; Gallileo; BeiDou, and A-GPS
Vo-LTE	Support Vo-LTE HD video voice call

WIRELESS LAN

WIFI	IEEE 802.11a/b/g/n/ac
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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Optional Accessories



Fingerprint version



Single-slot Cradle



Scan Trigger



Hand Strap



5-slot Share Cradle