



DT50U

RFID Enterprise PDA Specifications



Ameta International Co. Ltd.

**Exclusive North American Partner of
Urovo Technologies**

Specifications

Performance	Model	DT50U
	O.S.	Android 9.0
	Processor	Octa-core 1.8GHz Octa-core 2.2GHz (optional)
	Memory	RAM: 4GB ROM: 64GB
	Extended memory	Micro-SD card, Up to 256 GB
Basic specifications	Dimensions	143.3mmx169mmx90.5mm
	Weight	678g
	Display	5.7 inch display, 720*1440, 1080*2160 (optional)
	Touch Screen	Ultra sensitive capacitive touch panel, support multi-touch, works with gloves and wet fingers
	Main battery	Capacity: 3.85V 9000mAh
	Charging time	Less than 7 hours
	Buttons	PWR button, Vol+/- button, scan button*2, custom button
	Camera	Front 5MP, Top 13MP with flash
	Sensors	Light + Accelerator+ Proximity + Geomagnetic + Gyro
	Scanning	Professional scan engine Support international standard 1D/2D barcode; Support barcode displayed on screen and colored barcode;
	Slots	Micro SD/TFx1 , Nano- SIMx2
	Audio	Dual-Microphone (noise cancellation), Speaker (1.5W), Receiver
	Interfaces	USB Type-C、 Pogo-pin
Network Connections	Positioning	GPS、 A-GPS、 BeiDou、 GLONASS、 Galileo
	WWAN	4G/ 3G/ 2G
	Bluetooth	BT5.0 + BR/EDR + BLE
	Wi-Fi	2.4G/5G, IEEE 802.11a/b/g/n/ac/d/e/h/i/k/r/v/w Roaming: 802.11r /OKC/ PMKID caching
Environment	Operating Temp.	-20°C to 60°C
	Storage Temp.	-40°C to 70°C
	Humidity	5%RH ~ 95%RH (No condensation)
	Drop Specification	Multiple 1.2 m drops to concrete at room temperature
	Tumbling	400 1.0m tumbles
	Sealing	IP67
	ESD	+/-15kv Air; +/-8kv contact

Data Capture Specifications

1) Camera

Top Camera	
functions	Flash light, Auto-focus, Video
Pixels	13MP
Front Camera	
Pixels	5MP, Fixed-focus,

2) Scan Engine

	2D Imager Engine Specifications
Scan Angels Tilt	360°
Scan Angels Pitch	±60°
Scan Angels Skew	±60°
Barcodes support	<p>Linear: Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8, IATA Code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 Databar, UPC-A, UPC E, UPC-A/EAN-13 with Extended Coupon Code, Coupon GS1 Code 32(PARAF), EAN-UCC Emulation, GS1 Data Bar</p> <p>2D Stacked: Codablock A, Codablock F, PDF417, MicroPDF417</p> <p>2D Matrix: Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible (Han Xin), Grid Matrix, Dot Code</p> <p>Postal: Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet</p>

3) RFID(UHF)

RFID	UHF
Frequency Range	865-868MHz,902-928MHz
Standards supported	EPC Global Class1 Gen2/ISO 18000-6C, ISO18000-6B
RFID antenna gain	5dBi
Nominal read range	up to 15 m (depends on RFID tags, adjustable)

Network Connections

1) Positioning

Positioning	Specification
Mode	GPS、 A-GPS、 BEIDOU、 GLONASS、 Galileo
Cold start time	Less than 40s
Max channel	31 channel
sensitivity	-130dB(SNR value 40dBHz)
Precision	5-10 Meters (open space)

2) Wireless LAN

WLAN	Specification
Protocol	IEEE 802.11a/b/g/n/ac/d/e/h/i/k/r/v/w (2.4G/5G dual band WIFI)
Frequency	2.4G、5G
Working Channels	CH1~CH13, CH34-CH140, CH149~CH165, depends on country (region)
Security and Encryption	EAP-TLS, EAP-TTLS, PEAP-MSCHAPv2, PEAP-TLS, PEAP-GTC, PWD, SIM, AKA, WEP, WPA/WPA2-PSK, WAPI, WAPI-PSK
Fast roaming	Support 802.11r fast roaming

3) Wireless WAN

WAN	Specification
Mode	Dual-SIM, Dual-Standby
Worldwide Radio Frequency Band	TD-LTE(B34/B38/B39/B40/B41) FDD-LTE(B1/B2/B3/B4/B5/B7/B8/B12/B17/B19/B20/B25/B26/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)

4) Wireless PAN

BT	Specification
Mode	BT5.0 + BR/EDR + BLE
Range	More than 10 Meters

Optional Accessories

	Type
Accessory	Charging cradle, Screen Protector