

UROVO DT50ST TIL-ANGLE

Specifications



SPECIFICATION

Performance	<i>Model</i>	DT50ST (Til-Angle)
	<i>O.S</i>	Android 13.0 (AER)
	<i>Processor</i>	Qualcomm Octa-Core 2.45GHz (64bit)
	<i>Memory</i>	RAM : 4 GB, ROM : 64 GB
	<i>Extended Memory</i>	Micro SD card, Up to 256 GB
Basic Specifications	<i>Dimensions</i>	162.6 x 76 x 13.9 (mm) (D x W x H)
	<i>Weight</i>	265 g
	<i>Display</i>	5.7 inch display, resolution : 1440 x 720 pixels IPS HD screen
	<i>Touch Screen</i>	Ultra sensitive capacitive touch panel, support multi-touch, wet-fingers operation, glove mode and one-hand operation (interface display)
	<i>Main Battery</i>	Capacity : 3.85V – 5.000 mAh (Removable main battery) Standby : up to 490 hours. Continuous use : over 12 hours (depending on user environment) Charging time : 3.0 hours (charge device by standard adaptor 9V2A and USB cable) (Battery from 0% to 100%)
	<i>RTC</i>	The system time could be backed up for 10 minutes after the battery is removed
	<i>Audio</i>	Dual-Microphone (noise cancellation), Speaker (1.5W, 100dB @10 cm), Receiver, 3.5mm audio jack
	<i>Buttons</i>	PWR button, Vol +/- button, Scan button x 2, Custom button
	<i>Notifications</i>	Audible tone; multi-color LED; vibration
	<i>Camera</i>	Front 5 MP, Rear 13 MP with Flash
	<i>Sensors</i>	Light + Accelerator + Proximity + Geomagnetic + Gyro

	<i>Fingerprint</i>	Capacitive Fingerprint Module (optional)
	<i>Scanning</i>	Professional scan engine Tilt scan engine : 30° Support international standard 1D/2D barcode; Support barcode displayed on screen and colored barcode;
	<i>Slots</i>	Micro SD/TF x 1, Nano – SIM x 2
	<i>Interfaces</i>	USB Type C x 1 – Support OTG; USB 3.1 communication speed Bottom pogo pin x 2, Back pogo pin x 9
	<i>Charging Method</i>	Type C charging, support 9V2A Quick Charge 3.0
Network Connections	<i>WWAN</i>	2G/ 3G/ 4G Dual – SIM, Dual – Standby
	<i>Bluetooth</i>	BT 5.0 + BR/EDR + BLE
	<i>Wifi</i>	2.4GHz/ 5GHz, IEEE 802.11 a/b/g/n/ac/d/e/h/i/k/r/v/w 802.11 ax ready (Wifi 6) Roaming : 802.11r/ OKC/ PMKID caching
	<i>NFC</i>	RFID 13.56MHz, ISO15693, ISO14443A/B, Mifare, Felica
	<i>Positioning</i>	GPS, A-GPS, BeiDou, GLONASS, Galileo
Environment	<i>Operating Temp</i>	-20°C to 60°C.
	<i>Storage Temp</i>	-40°C to 70°C.
	<i>Humidity</i>	5%RH ~ 95%RH (No condensation)
	<i>Drop</i>	Multiple 1.5 (m) drops to concrete at room temperature
	<i>Sealing</i>	IP67
	<i>ESD</i>	+/- 15kv Air +/- 8kv Contact

DATA CAPTURE SPECIFICATIONS

1) Camera :

Rear Camera	
Functions	Flash light (700 mA), Auto Focus, Video, PDAF
Pixels	13 MP
Front Camera	
Pixels	5 MP, Fixed Focus

2) Scan Engine :

Scan Engine Specifications	
Scan Angle Tilt	360°
Scan Angle Pitch	+/- 60°
Scan Angle Skew	+/- 45°
Laser Type	Class II
Fill – in Light	White LED, Soft Light
Barcodes Support	
1D Symbolologies	UPC, EAN-8, EAN-13, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
Scanning Accuracy (1D)	>3.3 (mil) (for Code 128, EAN-13, v...v...)
Distance Scan (1D)	> 20 (cm) (for Code 128, EAN-13, v...v...)

2D Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX),etc.
Scanning Accuracy (2D)	>1 (cm) x 1 (cm)
Distance Scan (2D)	> 20 (cm) (for QRcode, Datamatrix, v...v...)
Motion Error Tolerance	5m/s
Scan Time Identifier	0.1s
Mode Triggering	
Triggering Modes	Trigger Release or Time Out Mode Continuous Trigger Mode Trigger Aiming & Loose for Scanning Mode Decode or Time Out Mode

3) RFID (HF) :

RFID (HF)	
Protocol	ISO15693, ISO14443 A/B, Mifare, Felica
Frequency	13.56 MHz
Mode	Card Emulation, Peer to Peer, Reader
Reading Range	Read distance 0 – 6 (cm) (ISO15693), 0 – 4 (cm) (ISO14443)

NETWORK CONNECTIONS

1) Positioning :

Positioning Specification	
Mode	GPS, A-GPS, BEIDOU, GLONASS, GALILEO
Frequency	GPS (L1), Beidou (B1 1.561GHz), Glonass (L1 1.602GHz), Galileo (E1 1.589GHz/ E2 1.561GHz)
Cold Start Time	Less than 40s
Max Channel	31 Channel
Sensitivity	- 130 dB (SNR value 40dBHz)
Accuracy	5 – 10 (m) (open space)

2) Wireless WAN

WAN Specifiations		
Mode	Dual – SIM, Dual - Standby	
Frequency Band (Worldwide)	4G (TD-LTE) 4G (FDD-LTE)	TE-LTE (B34, B38, B39, B40, B41) FDD-LTE (B1, B2, B3, B4, B5, B6, B7, B8, B12, B13, B17, B20, B28A, B28B)
	3G (WCDMA) 3G (CDMA2000)	WCDMA (B1, B2, B4, B5, B8)

	3G (TD-SCDMA)	TD-SCDMA (B34, B39) CDMA2000 1x EV-DO Rev.A BC0 (800 MHz)
	2G (GSM) 2G (CDMA)	CDMA1x GSM/EDGE/GPRS (850, 900, 1800, 1900)
Frequency Band (Europe & Asia)	4G (TD-LTE) 4G (FDD-LTE)	TE-LTE (B34, B38, B39, B40, B41) FDD-LTE (B1, B3, B5, B7, B8, B20)
	3G (WCDMA) 3G (CDMA2000) 3G (TD-SCDMA)	WCDMA (B1, B2, B4, B5, B8) TD-SCDMA (B34, B39) CDMA2000 1x EV-DO Rev.A BC0 (800 MHz)
	2G (GSM) 2G (CDMA)	CDMA1x GSM/EDGE/GPRS (850, 900, 1800, 1900)

3) Wireless LAN

WLAN Specification	
Protocol	IEEE 802.11 a/b/g/n/ac/d/e/h/i/k/r/v/w

	2.4GHz/ 5GHz dual band Wi-fi IEEE 802.11 ax ready
Frequency	2.4 GHz 5 GHz
Working Channels	CH1 ~ CH13, CH34 ~ CH140, CH149 ~ CH165, depends on contry (region)
Security & Encryption	WEP (40 or 104 bit), WPA/WPA2 Personal (TKIP, and AES); WPA3 Personal (SAE) WPA/ WPA2 Enterprise (TKIP and AES); WPA3 Enterprise 192 bit mode (GCMP-256) – EAP – TLS Enhanced Open (OWE)
Fast Roaming	PMID caching Cisco CCKM 802.11r (Over – the – Air) OKC, Wifi roaming threshold could be set

4) Wireless PAN

Bluetooth Specification	
Mode	BT5.0 + BR/EDR + BLE
Range	More than 10 (m)



ACCESSORIES

Standard Accessories (Replaceable)	Adapter x 1
	USB Cable - Type C cable x 1
	Battery 5.000 mAh x 1
	Hand – Strap x 1
	Boot case x 1
	Screen Protector x 1
	Instructions & Security Information x 1