



UROVO DT50 5G

Specifications



UROVO Technology Co., Ltd.



Specifications

Performance	Model	UROVO DT50 5G
	O.S.	Android 12.0
	Processor	Octa-core 2.2GHz
	Memory	RAM: 4GB, ROM: 64GB RAM: 8GB, ROM: 128GB(optional)
	Extended memory	Micro SD card, Up to 256 GB
Basic specifications	Dimensions	162.6*76*13.6mm
	Weight	265g
	Display	5.7 inch display, 720*1440
	Touch Screen	Ultra sensitive capacitive touch panel, support multi-touch, works with gloves and wet fingers
	Main battery	Capacity: 3.85V 5000mAh
	Charging time	5V2A, Less than 4 hours (room temperature)(support QC adapter,9V2A)
	Buttons	PWR button, Vol+/- button, Scan button*2, Custom button
	Camera	Front 5MP, Rear 13MP with flash Front 8MP, Rear 16MP with flash(optional)
	Sensors	Light + Accelerator+ Proximity + Geomagnetic + Gyro
	Fingerprint	Capacitive Fingerprint Module(optional)
	Scanning	Professional scan engine Support international standard 1D/2D barcode; Support barcode displayed on screen and colored barcode;
	Slots	Nano-SIM x 1(Either Micro SD)(Reserved support eSIM)
	Audio	Dual-Microphone with noise cancellation, 1.5W Speaker for loud noise , earpiece supports echo cancellation
Network Connections	Interfaces	USB Type-C、Pogo pin
	Positioning	GPS、A-GPS、BEIDOU、GLONASS、Galileo
	WWAN	5G/4G/3G/2G
	Bluetooth	BT5.1 + BR/EDR + BLE
Environment	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
	Operating Temp.	-20°C to 60°C
	Storage Temp.	-40°C to 70°C
	Humidity	5%RH ~ 95%RH (No condensation)
	Drop Specification	Multiple 5 ft./1.5 m drop to concrete at room temperature
	Tumbling	400 tumbles, 3.2 ft./1.0m
	Sealing	IP67
	ESD	+/-15kv Air; +/-8kv contact

Data Capture Specifications



1) Camera

Rear Camera	
Functions	Flash light, Auto-focus, Video
Pixels	13MP, (16MP optional)
Front Camera	
Pixels	5MP, (8MP optional), Auto-focus, 1080p video recording

2) Scan Engine

	2D Imager Engine Specifications
Scan Angle Tilt	360°
Scan Angle Pitch	±60°
Scan Angle Skew	±60°
Barcodes support	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 2D Stacked: Codablock A, Codablock F, PDF417, MicroPDF417 2D Matrix: Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible (Han Xin), Grid Matrix, Dot Code Postal: Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet

3) RFID(HF)

RFID	HF
Protocol	ISO15693、ISO14443 A/B 、Mifare、Felica
Frequency	13.56MHz
Mode	Card Emulation、Peer-to-Peer、Reader
Reading Range	Read distance 0-6cm (ISO15693), 0-4cm(ISO14443A/B)

Network Connections

1) Positioning

Positioning	Specification
Mode	GPS、A-GPS、BEIDOU、GLONASS、Galileo
Frequency	GPS (L1 1.575GHz C/A code) , BEIDOU (B1 1.561GHz) , GLONASS(L1 1.602GHz), Galileo (E1 1.589 GHz / E2 1.561 GHz)
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 Wi-Fi)
Frequency	2.4G、 5G
Working Channels	CH1~CH13, CH34-CH140, CH149~CH165, depends on country (region)
Security and Encryption	802.1x,TKIP, AES, PEAPv1, 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, support Fast Transition, roaming threshold can be set

3) Wireless WAN

WAN	Specification	
Worldwide Radio Frequency Band	5G	N1/N3/N28/N41/N77/N78/N79
	4G	TD-LTE(B34/B38/B39/B40/ B41) FDD-LTE(B1/B3/B5/B7/B8/B20/B28A/B28B)
	3G	WCDMA(B1/B2/B5/B8) CDMA2000 1x EV-DO Rev.A BC0 (800MHz)
	2G	CDMA1x GSM/EDGE/GPRS(850/900/1800/1900)

4) Wireless PAN

BT	Specification
Mode	BT5.1 + BR/EDR + BLE
Range	More than 10 Meters

Optional Accessories

	Type
Accessory	Charging cradle, Multi-slot cradle, 4-lot battery charging cradle, Trigger Handle, Hand strap, Boot case, Screen Protector, Holster