

UROVO

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UROVO DT50 Pro

Specifications





Specifications

Performance	Model	UROVO DT50 Pro
	O.S.	Android 16,support GMS/AER,upgradeable to Android 18
	Processor	Octa-core 2.4GHz,64-bit
	Memory	RAM: 6GB ROM: 64GB RAM: 4GB ROM: 64GB (optional) RAM: 8GB ROM: 128GB (optional)
	Extended memory	TF card, Up to 2TB
Basic specifications	Dimensions	162.6*76*13.6mm
	Weight	265g
	Display	5.7 inch display,450nits,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 5000mAh,support 14 hours continuous operation at room temperature (5000mAh battery with fuel gauge optional)
	Charging time	Less than 4 hours (room temperature)
	Buttons	PWR button,Vol+/- button,scan button*2, custom button
	Camera	Front 5MP Rear 16MP with flash, support PDAF (13MP optional)
	Sensors	Light + Accelerator+ Proximity + Geomagnetic + Gyro+Fingerprint Sensor
	Scanning	Professional scan engine Support international standard 1D/2D barcode; Support barcode displayed on screen and colored barcode;
	Slots	Micro SD/TFx1,Nano-SIMx2 (support Nano-SIMx2 or Nano-SIMx1+Micro SD/TFx1)
	Audio	Dual-Microphone (noise cancellation mic optional), Speaker , Receiver
	Interfaces	USB Type-C、bottom pogo pin*2 for charging、back pogo pin*9
Network Connections	Positioning	GPS、 A-GPS、 BeiDou、 GLONASS、 Galileo
	WWAN	4G/ 3G/ 2G
	Bluetooth	Class 2, Bluetooth v5.3 and secondary BLE
	Wi-Fi	WIFI 6E, 2.4G/5G/6G, IEEE 802.11a/b/g/n/ac/ax/d/e/h/i/k/r/v/w, support 2*2MU-MIMO 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	Multiple 1.5 m drops to concrete at room temperature



	Specification	
	Sealing	IP67
	ESD	+/-15kv Air; +/-8kv contact

Data Capture Specifications

1) Camera

Rear Camera	
functions	Flash light, Auto-focus, Video
Pixels	16MP
Front Camera	
Pixels	5MP, Fixed-focus

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
Cold start time	Less than 40s
Max channel	31 channel
sensitivity	-130dB(SNR value 40dBHz)



Precision	5-10 Meters (open space)
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2) Wireless LAN

WLAN	Specification
Protocol	IEEE 802.11a/b/g/n/ac/ax/d/e/h/i/k/r/v/w (2.4G/5G/6G Tri-band Wi-Fi) support 2*2MU-MIMO
Frequency	2.4G, 5G, 6G
Working Channels	CH1~CH13, CH34-CH140, CH149~CH165, depends on country (region)
Security and Encryption	WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP, and AES); WPA3 Personal (SAE); WPA/WPA2 Enterprise (TKIP and AES); WPA3 Enterprise (AES),EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC , LEAP and EAP-PWD; WPA3 Enterprise 192-bit mode (GCMP-256) - EAP-TLS; Enhanced Open (OWE); WPA3-FT, SCV (Server Certificates Validation)
Fast roaming	Support 802.11r fast roaming

3) Wireless WAN

WAN	Specification
Mode	Dual-SIM, Dual-Standby
Frequency Band (Worldwide)	TD-LTE(B34/B38/B39/B40/B41) FDD-LTE(B1/B2/B3/B4/B5/ B7/B8/B12/B13/B17/B20/B28A/B28B) WCDMA(B1/B2/B4/B5/B8) TD-SCDMA(B34/B39) CDMA2000 1x EV-DO Rev.A BC0 (800MHz) CDMA1x GSM/EDGE/GPRS(850/900/1800/1900)
Frequency Band (Europe & Asia)	TD-LTE(B34/B38/B39/B40/B41) FDD-LTE(B1/B3/B5/B7/B8/B20) WCDMA(B1/B2/B5/B8) TD-SCDMA(B34/B39) CDMA2000 1x EV-DO Rev.A BC0 (800MHz) CDMA1x GSM/EDGE/GPRS(850/900/1800/1900)
Frequency Band (Europe & Asia including Japanese bands)	TD-LTE(B34/B38/B39/B40/B41) FDD-LTE(B1/B3/B5/B7/B8/B19/B20/B21/B26/B28A/B28B) WCDMA(B1/B2/B5/B8) TD-SCDMA(B34/B39) CDMA2000 1x EV-DO Rev.A BC0 (800MHz) CDMA1x GSM/EDGE/GPRS(850/900/1800/1900)

4) Wireless PAN

BT	Specification
Mode	Class 2, Bluetooth v5.3 and secondary BLE
Range	More than 10 Meters



Optional Accessories

	Type
Standard Accessories	Adapter*1, Type-C cable*1, Battery*1, Instructions & Security Information & Warranty Card*1
Optional Accessories	Charging cradle, 5-slot Charging Cradle, 4-lot battery charging cradle, Hand strap, Gun grip, UHF gun grip, Boot case, Optical fingerprint, Screen Protector, Holster, Shoulder Strap, Thermal label printers, Handheld Barcode scanners (coil and wireless)



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