



UROVO P8100

Specifications



UROVO Technology Co., Ltd.



Specifications

Performance	Model	UROVO P8100
	O.S.	Android 9.0
	Processor	Octa-core Cortex-A53, 1.8 GHz
	Memory	RAM: 4GB ROM: 64GB
	Extended memory	Micro-SD card, Up to 256 GB
Basic specifications	Dimensions	253.8*146*16.5mm
	Weight	728.5g
	Display	8 inch display, 1280×800 (HD) 8 inch electromagnetic display ,1920×1200 (FHD) (optional)
	Touch Screen	Capacitive: at least five touch, support gloves touch (thickness 3.5mm) ,wet finger and passive stylus signature Electromagnetic display (optional) : at least five touch, support gloves touch (thickness 3.5mm) ,wet finger and passive stylus signature
	Main battery	Capacity: 3.8V 8400mAh Battery life: 8-10h (depends on environment and use case)
	Charging time	Less than 4 hours (with QC3.0 adapter)
	Buttons	Volume+/-、Power, Scanbutton, P1-P8 function key (No fingerprint) Volume+/-、Power, Scan button (with fingerprint)
	Camera	Front 5M Pixels, Rear 13M Pixels, Flashlight
	Sensors	Light + accelerator + Geomagnetic + Gyro
	Fingerprint	Fingerprint verification (optional)
	Scanning	Professional scan engine Support international standard 1D/2D barcode; Support barcode displayed on screen and colored barcode;
	Slots	Micro SD/TFx1 、 Nano- SIMx2, PSAMx1
	Audio	Dual Speakers、 Dual Microphones、 Earphone
Network Connections	Positioning	GPS、 A-GPS、 BeiDou、 GLONASS、 Galileo RTK High-precision (optional)
	WWAN	4G/ 3G/ 2G
	Bluetooth	BT4.2+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
	Sealing	IP67
	ESD	+/-15kv Air; +/-8kv contact



Data Capture Specifications

1) Camera

Rear 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	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(UHF)

RFID	UHF
Frequency Range	13.56MHz
Standards supported	ISO15693、ISO14443A/B、Mifare、Felica, etc
Mode	Card Emulation、Peer-to-Peer、Reader
Nominal read range	Read distance 0-6cm (ISO15693), 0-4cm(ISO14443A/B)

4) Fingerprint Module(Optional)

Fingerprint module	Professional authentication fingerprint module
Working	Supports working under the sun glare
Certification	FBI PIV certification

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)
Positioning(Optional)	Positioning spec
Support	High-precision RTK
Frequency	Standard : GPS (L11.575GHz C/A code) , Beidou: B1(1.561GHz) , GLONASS:L1(1.602GHZ) Galileo (E1 1.575.42Mhz) High-precision : GPS (L1 1575.42MHz/L2 1227.6Mhz) , Beidou (B1 1561.098MHz /B2 1207.14Mhz) , GLONASS(L1 1602MHz /L2 1248.06Mhz) , Galileo (E1 1.575.42Mhz /E5B 1207.14Mhz
Cold start	Less than 25s
Max. Channel	184 channel(High-precision)
Sensitivity	-167dB(High-precision)
Precision	0.01m(RTK)(High-precision)

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/B13/B17/B19/B20/B25/B26/B28A/B28B/B66) 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	BT4.2 + BR/EDR + BLE
Range	More than 10 Meters

Optional Accessories

	Type
Accessory	Multi-function Cradle, Hand strap, Holster, LAN port dock, wall mounting bracket, forklift bracket, stylus

