

Urovo

RT40S

Industrial Mobile Computer



- Powered by Qualcomm octa-core 2.45GHz processor and Android 13 system, delivering exceptional performance
- A professional scan engine with a maximum scan range of 15 meters
- Optional the version for cold chain, supports to work even at -30°C
- Driven by Wi-Fi 6 and 2X2 MU-MIMO, network speed and throughput are nearly three times higher than previous generation
- A 5200mAh removable smart battery with a management system that lowers power consumption, hot-swap battery design realizes battery replacement without reboot.



reddot winner 2023
industrial design



IP68 Sealing
1.8m Drop Resistance



4" Touch Screen
Corning Gorilla
glass



13M Pixel
AF Camera



Working Temperature
-30°C~+50°C

RT40S Industrial Mobile Computer Specifications

UROVO



Processor

Octa-core
2.45GHz



O.S.

Android 13.0



Memory

4GB RAM/64GB ROM,
Micro SD card,
Max.256GB extension



Screen

4 inch 480*800 pixel



Touch Screen

Corning
Gorilla Glass



Dimensions

Length: 199mm
Width: 58mm(handheld part)
Most Thin part:
29mm
Weight: 425g



Scanning

Standard range scanner and
extended range scanner are
optional
Support all industry-leading
1D/2D
barcode on paper or screen



Audio

Receiver, speaker,
microphone Support PTT
(Push-to-Talk),
speaker loudness over
100dB at 10cm.



Battery

3.85V 5200mAh,
Support hot swap,
Charging time: Less
than 3 hours



Camera

Rear camera:
13M pixel
with flashlight.



Buttons

38 keys
29 keys (optional)
51 keys (optional)



Card slot

Nano-SIM x 1
PSAM/SIM *1 (self-
adaptive)



Communication

4G, 3G, 2G
BT 5.0+BR/EDR+BLE



Positioning

GPS, Beidou,
GLONASS, Galileo



Protection

IP68 dustproof
and waterproof
1.8-meter
resistance



Pistol grip

Optional pistol
grip with a
scanning button



Sensors

Light sensor,
proximity sensor,
Accelerometer sensor
Geomagnetic sensor
Gyro sensor



Environment

Working temperature: -20°C ~ +50°C
(cold chain version -30°C ~ +50°C),
Storage temperature: -40°C ~ +70°C
Humidity: 5%RH -95%RH
ESD: ±15kV air, ±8kV direct.

TEDN
TECHNOLOGY

050-7501031



UROVO RT40S

Specifications



UROVO PTE. LIMITED



Specifications

Performance	Model	UROVO RT40S
	O S.	Android T (13), GMS/AER
	Processor	Qualcomm Octa-core 2.45 GHz
	Memory	4GB RAM , 64GB ROM
	Extended memory	Micro SD card, Up to 256 GB
Basic specification	Dimension	199 x 58 x 29(thinnest) mm (7.834 x 2.283 x 1.14 inch)
	Weight	425g
	Display	4 inch 480*800 pixel
	Cover glass	Corning Gorilla Glass
	Main battery	3.85V 5,200mAh Support Hot Swap
	Charging time	Less than 3 hours
	Audio	Earpiece, speaker, microphone Support PTT (Push-to-Talk), speaker loudness over 110dB at 10cm
	Buttons	Front 38 keys keyboard, 29 keys/51 keys optional Vol+/- button, Scan button*2, Custom button*1
	Camera	Rear camera: 13M pixel with flashlight
	Sensors	Light + Accelerator+ Proximity + Geomagnetic+Gyro
Communication	Scanning	Standard range scanner and extended range scanner are optional Support all industry-leading 1D/2D barcode on paper or screen
	Slots	Nano-SIM*1, PSAM/ SIM*1 (self-adaption)
	WWAN	2G/3G/4G
	Bluetooth	BT 5.0 + BR/EDR + BLE
	Wi-Fi	IEEE 802.11 a/b/g/n/ac/d/h/i/k/r/v/w/mc/ax, 2.4GHz/ 5GHz Wi-Fi 6 (802.11ax); 2 x 2 MU-MIMO
Environment	GNSS	GPS, BeiDou, GLONASS, Galileo
	Working temperature	Cold chain version: -30° C ~ +50° C (Equipped with heater of screen & imager window) Regular version: -20° C ~ +50° C
	Storage temperature	-40° C ~ +70° C
	Humidity	5% ~ 95% RH (non-condensing)
	Drop Specification	1.8m (5.9 ft.) flat concrete
	Tumble Specification	1000 times 1m (3.3 ft.)
	Sealing	IP68
	ESD	±15kV air, ±8kV direct

Data capture parameter

1) Camera

Camera	Rear camera
Rear camera	13M pixel
Focus	Auto-Focus
Video recording	Max. resolution and frame rate: 1920 x 1080(1080p), 30fps

2) Scan engine

Optional #1	Standard range 2D high performance
Roll	360°
Skew	±60°
Pitch	±60°
Support symbology	UPC/EAN ,Bookland EAN ,UCC Coupon Code,ISSN EAN,Code 128 ,GS1-128 ,ISBT 128 ,Code 39 ,Trioptic Code 39,Code 32,Code 93,Code 11,Interleaved 2 of 5,Discrete 2 of 5,Codabar ,MSI ,Chinese 2 of 5 ,Korean 3 of 5 ,Matrix 2 of 5 ,Inverse 1D ,GS1 DataBar ,Composite Codes ,PDF417,MicroPDF417,Data Matrix,Data Matrix Inverse,Maxicode,QR Code,MicroQR,QR Inverse,Aztec,Aztec Inverse,Han Xin,Han Xin Inverse, Postal Codes,US Postnet,US Planet,UK Postal,Japan Postal,Australian Postal,Netherlands KIX Code,USPS 4CB/One Code/Intelligent Mail,UPU FICS Postal
Optional #2	Extended range 2D high performance
Roll	360°
Skew	±60°
Pitch	±60°
Support symbology	UPC/EAN ,Bookland EAN ,UCC Coupon Code,ISSN EAN,Code 128 ,GS1-128 ,ISBT 128 ,Code 39 ,Trioptic Code 39,Code 32,Code 93,Code 11,Interleaved 2 of 5,Discrete 2 of 5,Codabar ,MSI ,Chinese 2 of 5 ,Korean 3 of 5 ,Matrix 2 of 5 ,Inverse 1D ,GS1 DataBar ,Composite Codes ,PDF417,MicroPDF417,Data Matrix,Data Matrix Inverse,Maxicode,QR Code,MicroQR,QR Inverse,Aztec,Aztec Inverse,Han Xin,Han Xin Inverse, Postal Codes,US Postnet,US Planet,UK Postal,Japan Postal,Australian Postal,Netherlands KIX Code,USPS 4CB/One Code/Intelligent Mail,UPU FICS Postal

3) RFID(HF)

RFID	Read/Write(HF)
Tag type	ISO15693 ISO14443: ISO14443 Type A, ISO14443 Type B MIFARE: Mifare S50, Mifare S70, Mifare UltraLight, Mifare Pro, Mifare Desfire etc., FeliCa
Frequency	13.56MHz

Data transfer parameter

1) GNSS

GNSS	Parameter
Mode	GPS (L1) , 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 40dBHz)
Accuracy	5-10m (open space)

2) WLAN

Wi-Fi	WLAN
Protocol	IEEE 802.11 a/b/g/n/ac/d/h/i/k/r/v/w/mc/ax ; (2.4G/5G dual band Wi-Fi) 2 x 2 MU-MIMO ; Wi-Fi 6(802.11ax);
Frequency	2.4 GHz: 802.11b/g/n/ax — up to 286.8 Mbps 5 GHz: 802.11a/n/ac/ax – up to 1201 Mbps
Working Channels	CH1-CH13, CH34-CH140, CH149-CH165
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/seamless roaming

3) WWAN

WWAN	WWAN parameter	
WWAN	4G	TD-LTE (B34/B38/B39/B40/B41) FDD-LTE (B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B19/ B20/B25/B26/B28A/B28B/B66)
	3G	WCDMA(B1/B2/B4/B5/B8) TD-SCDMA(B34/B39) CDMA2000 1x EV-DO Rev.A BC0 (800MHz)
	2G	CDMA1x GSM/EDGE/GPRS(850/900/1800/1900)



4) PAN

Standard	Specification
Support mode	BT 5.0 + BR/EDR + BLE
Connect range	Over 10m

Accessories

	Type
Standard Accessories	Screen Protector*1, Adapter*1, Type-C cable*1, Battery*1, Hand Strap*1, Instructions & Security Information & Warranty Card*1
Optional Accessories	Gun Grip, Single Slot Charging Cradle, 5-Slot Charging Cradle, 4-Slot battery charging Cradle, Holster, Boot Case, Shoulder Strap