RT-I20A

12.2" Rugged Windows Tablet

Model specifications



Display: 12.2-inch
Operating system: Windows 11 Pro (Home, IoT)
Protection: IP65
Battery: Removable battery: 6,300 mAh / 7.4 V; internal backup battery: 700 mAh / 7.4 V

Product Form

Specification	Standard	Optional
Product Form	12.2" Rugged Windows Tablet	
Dimensions	339.3 × 230.3 × 26 mm	
Weight	Approx. 1,500 g (bare unit)	
Screen size	12.2 in	
Resolution	1200 × 1920	
Brightness	650 nits	
Touch Panel	10-point capacitive, G+G, hardness 7H+, scratch-resistant, supports stylus	10-point capacitive, G+G, hardness 7H+, scratch-resistant, supports glove touch
Battery	Removable battery: 6,300 mAh / 7.4 V; internal backup battery: 700 mAh / 7.4 V	
Camera	Front 2 MP; Rear 8 MP (USB)	
Speaker / Microphone	Built-in 8 Ω/1 W waterproof speaker × 1; Mic sensitivity: -44 dB±3 dB	

Hardware Configuration

Specification	Standard	Optional
CPU	Intel Core i5-1235U, TDP 15 W, 2 P-core, 8 E-core, 12-thread, 0.9 GHz~4.4 GHz	Intel Core i7-1255U, TDP 15 W, 2 P-core, 8 E-core, 12-thread, 1.2 GHz~4.7 GHz
GPU	Intel® Iris® Xe Graphics Card	
RAM	16 GB DDR4 L	
Storage	128 GB SSD	
Gravity sensor	Supported	

System

Specification	Standard	Optional
Operating System	Windows 11 Pro (Home, IoT)	Windows 10 IoT 64-bit; Windows 10 Pro 64-bit; Windows 10 Home 64-bit

Wireless Connection

Specification	Standard	Optional
Wi-Fi	Wi-Fi 6 (802.11ax)	
Bluetooth	Bluetooth 5.1	
Cellular network	MeiG 750VE; LTE-FDD: B1/3/5/7/8/20; LTE-TDD: B40 WCDMA: B1/5/8; GSM: 900/1800	MeiG North/South America Module
5G network		SRM825 N M.2 Package, 52 × 30 × 2.3 mm, 5G Sub-6 GHz; -EA: Region: EMEA, Australia, Japan, Korea; 5G SA / NSA: LTE-FDD: B1/B3/B5/B7/B8/B18/B19/B20/B28/B32; LTE-TDD: B34/B38/B39/B40/B41/B42; WCDMA: B1/B5/B8; N1/N3/N5/N7/N8/N20/N28/N38/N40/N41/N71/N77/N78/N79
GNSS	U-BLOX M7N Module, supports GPS, GLONASS	U-BLOX M8Q Module, supports GPS, BeiDou, GLONASS
NFC		NXP300

Data Collection

Specification	Standard	Optional
Barcode scanning		N3680 hardware decoding
Fingerprint	supports	

Interfaces

Specification	Standard	Optional
USB Interfaces	USB 3.1 × 1	
Earphone Jack	Ø3.5 mm audio jack × 1	
Memory card	TF × 1 max: 128 GB	
SIM Card	1 SIM slot	
HDMI	HDMI 2.1a mini × 1	
DC Interfaces	DC 19 V 3.42 A Ø5.5 mm power supply interface × 1	
POGO PIN	12-pin pogo connector (USB and dock charging) × 1	
DB9 Interfaces		(RS232) Serial port × 1, 9-pin full function
RJ45 Interfaces	(10/100/1000 M) Gigabit Ethernet × 1	
Expansion Interfaces		USB 2.0 × 1, USB port
Type C Interfaces	Type-C (USB 3.0/HDMI/Charging) × 1	

Other

Specification	Standard	Optional
Power Supply	Input: 100–240 V AC; output: 19 V / 3.42 A, 65 W; US plug CE	UK plug; EU plug
Protection and standards	IP65; MIL-STD-810G; CE; CCC; MSDS; IEC 62133	
Accessories	Strap, Handle, 19 V/3.42 A Adapter	Charging Dock, Vehicle-mounted Bracket , Removable Battery, 4-Bay Charger RT-ACC-MDC20J
Expansion options	Ethernet, Serial Port, USB port 2.0, 2D barcode module;4 options, choose 1	

Specifications vary by configuration and region. Confirm the exact configuration in your quotation.