RT-I20J

12.2" Rugged Windows Tablet

Model specifications



Display: 12.2-inch
Operating system: Windows 11 IoT
Protection: IP65
Battery: Removable battery, hot-swappable; 7.4 V/6300 mAh; Built-in battery, non-removable; 7.4 V/860 mAh

Product Form

Specification	Value
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	5-point capacitive touch screen
Battery	Removable lithium-polymer battery, supports Hot-swap; 7.4 V/6300 mAh; Built-in lithium-polymer battery, Non-removable; 7.4 V/860 mAh
Camera	Front 5 MP; Rear 8 MP autofocus with flash
Speaker / Microphone	Built-in 8 Ω/0.8 W waterproof speaker × 1; Mic sensitivity: -42 dB, output impedance 2.2 kΩ

Hardware Configuration

Specification	Standard	Optional
CPU	Standard: Intel Celeron N5100 processor, 4-core 4-thread, embedded 4 MB Smart Cache, TDP 6 W, max frequency 2.8 GHz	Intel Celeron N5105 processor, 4-core 4-thread, embedded 4 MB Smart Cache, TDP 10 W, max frequency 2.9 GHz
GPU	Intel® UHD Graphics	
RAM	8 GB DDR	16 GB DDR
Storage	128 GB SSD Removable	
Gravity sensor	Supported	

System

Specification	Standard	Optional
Operating System	Windows 11 IoT	Windows 11 Pro; Windows 11 Home

Wireless Connection

Specification	Standard	Optional
Wi-Fi	Wi-Fi 802.11 (a/b/g/n/ac); 2.4 GHz / 5.8 GHz dual-band	
Bluetooth	Bluetooth 5.0 (BLE)	
Cellular network		LTE FDD: B1/B3/B5/B7/B8/B20; LTE TDD: B40; WCDMA: B1/B5/B8; GSM: 900/1800 MHz
5G network		5G SRM825
GNSS	U-BLOX M7N Module; supports GPS, GLONASS	
NFC		NXP300, 13.56 MHz; supports ISO/IEC 14443 A/B/15693/18092/mifare Protocol; stated reading distance: 4 cm

Data Collection

Specification	Standard	Optional
Barcode scanning		Honeywell N3680 hardware decoding
Fingerprint	supports	

Interfaces

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