RT-I22J

12.2" Rugged Windows 2-in-1

Model specifications



Shown with optional keyboard.

Display: 12.2-inch
Operating system: Windows 11 IoT
Protection: IP65
Battery: 7.4 V / (6,300 mAh + 1,000 mAh) (Dual batteries, large battery removable)

Product Form

Specification	Standard	Optional
Product Form	12.2" Rugged Windows 2-in-1	
Dimensions	319.6 × 216 × 24.3 mm	
Weight	Approx. 1,500 g (bare unit)	
Screen size	12.2 in (16: 10)	
Resolution	1920 × 1200 IPS	
Brightness	650 nits	280 nits
Touch Panel	10-point capacitive touch, G+G, Corning Gorilla hardness 7H+, Scratch-resistant, supports stylus input	SLR sunlight-readable film
Battery	7.4 V / (6,300 mAh + 1,000 mAh) (Dual batteries, large battery removable)	
Camera	Front 5 MP (MIPI); Rear 8 MP (MIPI)	
Speaker, Microphone	Built-in 8 Ω/1 W Waterproof speaker × 2; Microphone Sensitivity: -42 dB, output impedance: 2.2 kΩ	

Hardware Configuration

Specification	Standard	Optional
CPU	Intel Celeron N5100 processor, 4-core 4-thread, embedded 4 MB Smart Cache, TDP 6 W, max frequency 2.8 GHz	
GPU	Intel HD Graphics Gen 11 LP	
RAM	8 GB	4 GB/16 GB
Storage	128 GB eMMC	64 GB/256 GB/512 GB
Trusted Platform Module	TPM 2.0 (SLB9670VQ2.0, firmware 7.85)	

System

Specification	Standard	Optional
Operating System	Windows 11 IoT	Windows 11 (Home Pro)

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		SRM825 N M.2 Package, 52 × 30 × 2.3 mm, 5G Sub-6 GHz; SA / NSA: N1/N3/N5/N7/N8/N20/N28/N38/N40/N41/N71/N77/N78/N79 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; 5G SA / NSA: LTE-FDD: B1/B3/B5/B8/B28; LTE-TDD: B34/B38/B39/B40/B41 WCDMA: B1/B8; N1/N28/N41/N78/N79
GNSS	Supports: GPS, GLONASS	
NFC		NXP300

Data Collection

Specification	Standard	Optional
Barcode scanning		MOTO SE655
2D barcode scanning		N3680

Interfaces

Specification	Standard	Optional
USB Interfaces	USB 3.0 × 2, USB 2.0 × 1	
Headphone	Ø3.5 mm audio jack × 1	
Memory card	Memory-card slot × 1; max: 512 GB	
SIM Card	SIM slot × 1	
HDMI	HDMI 2.0a mini × 1	
DC Interfaces	DC 12 V/4 A Ø4.0 mm power supply interface × 1	
POGO PIN	12-pin pogo connector (supports Vehicle-mounted Bracket, Dock, keyboard) × 1	
DB9	DB9 (RS232) × 1 DB9 (RS485) × 1	
RJ45	100 Mbps Adaptive × 1	
Expansion Slot		USB, Serial Port (reserved for custom interface)
Type C Interfaces	Type-C × 1 (USB 3.0, Charging, Audio and Video)	

Other

Specification	Standard	Optional
Power Supply	12 V / 4 A, Ø4.0 mm Adapter (EU plug)	(EU/US/CN/UK) choose 1 of 4
Protection and standards	IP65; MIL-STD-810G; CE; CCC; FCC; UN38.3; MSDS; IEC 62133	
Accessories	Strap, Handle, Bracket, 12 V / 4 A Adapter	Charging Dock, Vehicle-mounted Bracket, Removable Battery, Removablekeyboard, Shoulder Strap, Car Charger

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