RT-V80J

8" Windows Vehicle-Mounted Tablet

Model specifications



Display: 8-inch
Operating system: Windows 10 Home
Protection: IP65
Processor: Intel Celeron N5100

Product Form

Specification	Standard	Optional
Product Form	8" Windows Vehicle-Mounted Tablet	
Dimensions	218.1 × 154.5 × 23.0 mm	
Weight	631 g	
Screen size	8 in (16: 10)	
Resolution	800 × 1280 IPS	
Brightness	1,000 nits	
Touch Panel	5-point tempered glass capacitive touch G+G, hardness 6H	
Battery		Built-in lithium-polymer battery, 7.4 V / 1,000 mAh
Speaker	2.5 W speaker × 1	
Microphone	Microphone × 1	
Real-time Clock	Built-in 2032 RTC battery	
Keys	Power key; volume up/down keys; two user-definable keys	
Indicator	Blue power-on indicator; red DC-power indicator; flashing red low-battery indicator	

Hardware Configuration

Specification	Value
CPU	Intel Celeron N5100 Processor 4 cores / 4 threads, Embedded 4 MB Smart Cache, TDP 6 W, Maximum frequency: 2.8 GHz
GPU	Intel® HD Graphics Gen 11 LP
RAM	8 GB LPDDR3
Storage	128 GB eMMC

System

Specification	Standard	Optional
Operating System	Windows 10 Home	Ubuntu22.04.4, ubuntu22.04.6

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		South/North America Module; LTE FDD: B1/B3/B5/B7/B8/B20; LTE-TDD B40 WCDMA: B1/B5/B8; GSM: 900/1800
GNSS	Built-in, Ublox 7 supports GPS, GLONASS	
NFC		NXP300

Interfaces

Specification	Standard	Optional
Card Slot		nano-SIM × 1; SIM Card Slot (Optional)
DC input	M12-8 (Input: 11~24 V)	
USB	Standard USB-A Port/Data Transmission; USB 3.0 × 1, USB Type-A port, host data Transmission	
Expansion port 1		Gigabit Ethernet; 8-pin Ethernet Signal (Gigabit Ethernet)
Expansion port 2		Full-function 9-pin RS232 × 1+3-pin RS485 × 1;3-pin RS232 × 1+3-pin RS232 × 1
Expansion port 3		USB 2.0 × 2+USB 2.0 (Default)/CAN × 1; USB 2.0 Standard Signal × 2; CAN configuration

Rugged Features

Specification	Value
Operating Temperature	-20 °C to 60 °C (adapter mode); -10 °C to 60 °C (battery mode)
Storage Temperature	-30 °C to 70 °C
Electrostatic discharge	±8 kV Contact discharge, ±15 kV Air discharge
Humidity	95% Non-condensing

Other

Specification	Standard	Optional
Protection and standards	IP65; CE; CCC; FCC	
Accessories	Wi-Fi Rod Antenna; GPS vehicle-mounted antenna; Power Adapter Cable; 8-pin aviation Plug to φ5.5 Power Port (For Cigarette Lighter/Car Charger Use)	4G Rod Antenna, GPS Rod Antenna, Cigarette Lighter Adapter, Power Adapter Cable (8-pin power cable to 4 loose wires), Wide Voltage Module (9-36 V, 20-80 V), Vesa, RAM, Function Adapter Cable (12-pin to USB 2.0 × 2+USB 2.0 × 1 (Default)/CAN × 1), Function Adapter Cable (; 12-pin to full-function RS232 power cable+RS485 communication), Function Adapter Cable (12-pin to full-function RS232 power cable+RS232 communication), Function Adapter Cable; (12-pin to Gigabit RJ45), Function Adapter (12-pin to 12 loose wires 1.2 m for custom wiring)

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