RT-V80T

8" Android Vehicle-Mounted Tablet

Model specifications



Display: 8-inch
Operating system: Android 12 (GMS)
Protection: IP65
Processor: MediaTek MT6789

Product Form

Specification	Standard	Optional
Product Form	8" Android Vehicle-Mounted Tablet	
Dimensions	218.1 × 154.5 × 23.0 mm	
Weight	611 g	
Screen size	8 in (16: 10)	
Resolution	800 × 1280 IPS	
Brightness	1000 nits	
Touch Panel	5-point tempered glass capacitive touch G+G, hardness 6H	
Battery		Built-in lithium-polymer battery; 2000 mAh/3.7 V
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	MediaTek MT6789, 2 Arm Cortex-A76 cores operating at 2.2 GHz, 6 Arm Cortex-A55 cores operating at 2.0 GHz
GPU	ARM G57 MC2
RAM	4 GB LPDDR4X
Storage	64 GB UFS

System

Specification	Value
Operating System	Android 12 (GMS)

Wireless Connection

Specification	Standard	Optional
Wi-Fi	Wi-Fi 802.11 (a/b/g/n/ac); 2.4 GHz / 5.0 GHz (5.1 GHz / 5.8 GHz) dual-band; Other: supports AP seamless roaming	
Bluetooth	Bluetooth 5.2 (BLE)	
Cellular network	LTE Cat 4; GSM: 2+3+5+8; WCDMA: 1+2+5+8; TD-S: 34+39; TDD: 38+39+40+41 (2535–2655 MHz); FDD: 1+2+3+4+5+7+8+17+20+28a+28b	
GNSS	supports GPS (L1 1.575 GHz C/A code), BeiDou (B1 1.561 GHz), GLONASS (L1 1.602 GHz)	
NFC		NFC IC: NXP557; HF frequency band: 13.56 MHz, compatible with EMVCo Standard; Supported Protocols: ISO15693, ISO14443 Type-A, ISO14443 Type B

Interfaces

Specification	Standard	Optional
Card Slot	SIM Card Slot; micro-SIM × 1, dimensions: 12 mm × 15 mm × 0.8 mm	
DC input	M12-8 (Input: 12 V)	
USB	Standard USB-A Port/Data Transmission; USB 2.0 × 1, USB Type-A port, host data Transmission	
Expansion port 1		100 Mbps Ethernet; 8-pin Ethernet Signal (100 Mbps Fast Ethernet)
Expansion port 2		RS232 × 1+RS232/RS485 (Standard) × 1; 9-pin DB9 Full Function Output Serial Port RS232;3-pin Data Transmission RS485 / 3-pin data Transmission RS232
Expansion port 3		USB 2.0 × 1 + USB 2.0 or CAN × 1 + CVBS × 1

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; MIL-STD-810H; CE; CCC; FCC	
Accessories	Wi-Fi Rod Antenna; GPS vehicle-mounted antenna; Power Adapter Cable; 8-pin aviation Plug to φ4.0 Power Port (For Cigarette Lighter/Car Charger Use); 4G Rod Antenna	Power Adapter, Wide Voltage Module (9-36 V, 20-80 V), RAM 38 × 30 mm Ball Head, VESA 75 × 75, Multi-function Adapter Cable (12-pin to USB 2.0 × 2+USB 2.0 × 1 (Default)/CAN × 1), Multi-function Adapter Cable (12-pin to full-function RS232 power cable+RS485 communication), Multi-function Adapter Cable (12-pin to full-function RS232 power cable+RS232 communication), Function Adapter Cable (12-pin to 100 Mbps RJ45), Function Adapter Cable (12-pin to 12 loose wires 1.2 m for custom wiring), 8-pin power Cable to 4 loose wires (6 m) for custom wiring, 8-pin power Cable to 4 loose wires (1.2 m) for custom wiring, GPS Rod Antenna

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