RT-V12R

10" Android Vehicle-Mounted Tablet

Model specifications



Display: 10-inch
Operating system: Android 12
Protection: IP65
Processor: Rockchip RK3568

Product Form

Specification	Standard	Optional
Product Form	10" Android Vehicle-Mounted Tablet	
Dimensions	282 × 181 × 31 mm	
Weight	1,150 g	
Screen size	10 in	10.1 in
Resolution	800 × 1280	1024 × 600, 1200 × 1920
Brightness	700 nits	750 nits (LVDS); 700 nits (FHD)
Touch Panel	TP (5-point capacitive touch screen)	
Speaker	3 W/8 Ω Speaker × 1	
Microphone	MIC × 1	
Real-time Clock	RTC	
Keys	Power key; two user-definable keys	
Indicator	LED indicator × 1	

Hardware Configuration

Specification	Value
CPU	Rockchip RK3568
GPU	Mali-G52-2 EE
RAM	LPDDR4X (4 GB)
Storage	eMMC (64 GB)

System

Specification	Standard	Optional
Operating System	Android 12	Linux

Wireless Connection

Specification	Standard	Optional
Wi-Fi	Wi-Fi 5	
Bluetooth	Bluetooth 5.0	
4G network		LTE Cat 4; WCDMA: B1+5+8; TDD: B38+40+41; FDD: B1+3+5+7+8+20+28
GNSS	Supported	BeiDou only (B1: 1,561.098 MHz)

Interfaces

Specification	Standard	Optional
Card Slot	microSD × 1, Nano-SIM × 1	
DC input	GX12 × 1 (3-pin, power input 6-36 V & ACC)	
USB	USB 2.0 (Type-A)	
Expansion port 1		26-pin Deutsch interface (Solution Optional)
Expansion port 3		Video Input (Optional); AHD × 4 M12 4-pin Connector × 4; Antenna interface (Optional); TNC × 2; SMA × 2

Rugged Features

Specification	Standard	Optional
Operating Temperature	-20 °C to 60 °C (MIPI LCD)	-30 °C to 70 °C (LVDS LCD)
Storage Temperature	-30 °C to 70 °C (MIPI LCD)	-40 °C to 85 °C (LVDS LCD)
Electrostatic discharge	±6 kV contact discharge; ±10 kV air discharge	
Humidity	Humidity: 95% Non-Condensing	

Other

Specification	Standard	Optional
Protection and standards	IP65; CE; CCC; FCC; ISO 16750; ISO 7637-2	
Accessories		26-pin Deutsch interface function harness (project-specific), ACC power cable, DC Adapter Cable, Power Adapter 12 V / 4 A DC Ø4.0 mm Adapter, Bracket RAM 38 × 30 mm Ball Head, GPS or BeiDou vehicle-mounted antenna, 4G External Suction Cup Antenna, data-radio external suction-cup antenna, RTK antenna (TNC connector)
Expansion options		Digital radio module (410–470 MHz); RTK positioning module

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