

EM-VPC10J

Vehicle-mount Terminal



GNSS



IP65



9-36V
Wide Voltage



4G, WiFi, BT



Capacitive
Touch Screen



Wide Temperature
Operation



Aeroplug
Interface



700nit Screen



Performance

- Intel Jasper Lake processor Celeron N5100
- Windows 10/11 OS, Up to 16GB+512GB
- 10.1 inch IPS screen, 700nit

Communication

- 2.4G/5.8G Dual band WIFI
- Optional high speed 4G LTE
- BT 5.0 fast transmission

Features

- Optional NFC fast recognition function
- Support GPS, BDS and GLONASS
- Flexible expansion of multiple aviation plugs

Reliability

- IP65 Waterproof and Dustproof
- Wide temperature operation: -20°C~60°C
- ±8kV Contact Discharge, ±15kV Air Discharge

Product Six Views



Specification Parameter

Basic parameters	
Dimension	264.5*184.1*23.0 mm
Weight	834 g
Device Color	Black
LCD	10.1 inch, 800*1280, 700nits
Touch Panel	5-point tempered glass capacitive screen G+G
I/O	Nano-SIM *1 (Optional)
	USB 3.0 Type-A *1
	RS232 + RS232/RS485 (Optional)
	Ethernet interface (100/1000M) (Optional)
	USB 2.0 *2 + CAN/CVBS *1 (Optional)
	Power DC Jack
NFC	Optional, 13.56MHz, Card reading distance: 4cm
Battery (Optional)	
Capacity	1000mAh/7.4V
Type	Built-in Li-polymer battery
Endurance	30mins (50% volume sounds, 200 lumens brightness, 1080P HD video display by default)
Network connections	
WIFI	802.11 a/b/g/n/ac (2.4G/5.8G)
Bluetooth	BT5.0, Transmission distance: 10m
4G (Optional)	Optional, LTE FDD: B1/B3/B5/B7/B8/B20 LTE-TDD: B40 WCDMA: B1/B5/B8 GSM: B3/B5
GNSS	Built-in GPS, GLONASS, Optional Beidou

Application Range

The products meet the requirements of vehicle specification level certification and design, and are widely used in logistics, agriculture, mine transportation, airport transportation, wharf, warehousing and other fields.



Warehousing Logistics



Airport Transportation



Vehicle Management



Automatic Driving of Agricultural Machinery

Performance parameter	
CPU	Intel® Celeron® N5100
OS	Windows 11, Optional Windows 10
RAM	4GB, Optional 8GB, Up to 16GB
Storage	64GB, Optional 128GB, Up to 512GB
Standard Accessories	
WIFI Antenna	Standard, 2.4~2.5GHz/5.15~5.85GHz, 2±0.5dBi
GPS Antenna	Standard
Adapter Cable	Standard, 8 PIN aviation plug to φ5.5 power port
Optional Accessories	
4G Antenna	Optional, to be used together with 4G module
Bracket	Optional
Function Adapter	Optional, 12PIN to 2-way USB 1-way CAN 12PIN to full function RS232 + RS485/R232 12PIN to 1000M RJ45 12PIN to 12 loose wires 1.2m
GPS Antenna	Optional
Power (One out of four)	Cigarette Lighter Adapter, 19V/3.42A Power Adapter, 19V/3.42A DC φ5.5 Adapter Adapter Cable, 8pin power cord to 8 loose wires (1.2M) Wide Voltage, 9~36V wide voltage input, 12V±0.5V constant voltage output
Reliability	
Operate Temperature	-20 °C ~ 60 °C
Store Temperature	-30 °C ~ 70 °C
Humidity	95% Non-Condensing
Rugged Feature	IP65 certified
Electrostatic Discharge	±8kV contact discharge, ±15kV air discharge