

Features

- LED backlight panel with resistive touchscreen
- Rugged aluminum enclosure and fanless design
- IP65 dust/water protection
- Meet MIL-STD 810G standard anti-vibration shock
- Wide range 8-36V DC Power input with ignition control
- VESA 75 and 100 standard mounting
- Flexible expansion capability for WiFi, Bluetooth, LTE/HSPA+/EVDO, GPS



Specifications

System	Processor	Intel Quad-Core Celeron J1900 (2.0GHz)
	System Memory	2GB SO-DIMM DDR3L-1333/1600 (up to 8GB)
	Storage	16GB mSATA SSD (up to 256GB)
	Operating System	Windows 10 Windows Embedded 8.1 Industry Pro Windows Embedded Standard 8 Windows 7 Pro Windows Embedded Standard 7
Display	Size	8.4 inch, 10.4 inch, 12.1 inch
	Resolution	800 x 600 @ 8.4", 1024 x 768 @ 10.4" & 12.1"
	Brightness	450 nits @ 8.4", 400 nits @ 10.4" & 12.1"
	Backlight	LED Backlight
Touchscreen	Type	5-Wire Resistive Touch
Keypad	Keypad	Power On/Off + Power LED Brightness Adjustment
	WLAN	802.11a/b/g/n (Optional, CCX v4 Certified) 802.11a/b/g/n/ac (Optional)
RF Communication	WWAN	3G (Optional, HSPA+, EDGE, GSM/GPRS) 3G (Optional, EVDO) 4G (Optional, LTE, HSPA+, EDGE, GSM/GPRS, EVDO)
	Bluetooth	Bluetooth 4.0 (Optional)
	GPS	SIRF III GPS/GLONASS (Optional) Beidou GPS (Optional) u-Blox GPS (Optional, 2.5 meters positioning accuracy)
I/O Connectors	COM	1 x RS-232/422/485 (COM1, full-function, Pin 9 function can be set to RI, 5V or 12V by jumper) 1 x RS-232 (COM2, full-function, Pin9 function can be set to RI or 5V by jumper) 1 x RS-232 (COM3, 3-wire) with 12.1" model only
	USB	1 x USB2.0 1 x USB3.0
	LAN	1 x GbE LAN (RJ-45)
	DI/DO	4DI/4DO (Optional, with 3.3V power, replace COM2)
	Others	1 x GbE LAN (RJ-45) 1 x SIM Card Slot (push and push) 1 x Power Connector 3 x TNC Connectors or 2 x TNC + SMA for External Antenna (WiFi, Bluetooth, WWAN, GPS)
Audio	Speaker	2 x Speaker (8 ohms, 2w)
	Power Input	8~36V DC
Power	Power Consumption	20W typ.
	Ignition On/Off	Power on delay, default 10 seconds; Power off delay, default 10 seconds; (On/Off delay time can be changed via BIOS setting); Hardware power off delay 70 seconds after ignition off;
	UPS Battery	TBD
Environmental	Operating Temperature	-30~+ 60°C
	Relative Humidity	5%-95%, non-condensing
	IP Proof	IP65 (I/O interface must be closed)
	Shock and Vibration	Shock: MIL-STD-810G Method 516.6 Procedure I Vibration: MIL-STD-810G Method 514.6 Procedure I
Mechanical	Certifications	CE, FCC
	Housing	Aluminum
	Dimension	8.4": 240x190x59 mm / 10.4": 278x229x68 mm / 12.1": 320x260x66 mm (WxLxH)
	Weight	8.4": 2.2 kg / 10.4": 3.8 kg / 12.1": 4 kg

Accessories



DC-DC Power Adapter



AC-DC Power Adapter



Keyboard



High-gain WiFi Antenna



GPS Antenna



VESA Mounting Kits



Forklift Mounting Kits



Shade Cover