

Features

- 12.1" 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® Dual-Core Celeron N2807 (1.58GHz) Intel® Quad-Core Celeron J1900 (2.0GHz) Intel® Quad-Core Atom E3845 (1.91GHz)	
	System Memory	2GB SO-DIMM DDR3L-1333/1600 (up to 8GB)	
	Storage	16GB mSATA SSD (up to 256GB) 16GB SATA III SSD (up to 512GB)	
	Operating System	Windows 10 Windows Embedded 8.1 Industry Pro. Windows Embedded Standard 8 Windows 7 Pro Windows Embedded Standard 7	
Display	Size	12.1-inch	
Touchscreen	Resolution	1024 x 768	
	Brightness	400 nits	
Keypad	Backlight	LED Backlight	
	Type	5-Wire Resistive Touch	
RF Communication	WLAN	802.11a/b/g/n (Optional, CCX v4 Certified) 802.11a/b/g/n/ac (Optional)	
	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)	
	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 for External Antenna (WiFi, Bluetooth, WWAN, GPS)
		Speaker	2 x Speaker (8ohm, 2w)
Power	Power Input	8-36V DC	
	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;	
Environmental	UPS Battery	TBD	
	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	320 x 260 x 66 mm(W x L x H)	
	Weight	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