

SD-OMEGA SD-3150

Intel Haswell FANLESS in-Vehicle Computer



Features

- Intel Gen4 Celeron 2980U/i3-4010U processor
- Wireless support LTE, 3.5G, GPS, WLAN, BT
- 2 x PoE 802.11af & 1 x GbE with iAMT9.5
- Input 9~36V with Ignition control for variety vehicle
- 4 x RS-232 (COM1&2 with RS-232/422/485)
- 1 x DVI, 1 x HDMI, 1 x VGA

System

CPU	Intel Gen 4 Dual Core Celeron 2980U 1.6GHz Intel Gen 4 Dual Core i3-4010U 1.7GHz (i3/i7 optional)
Memory	1 x DDR3L 1600 MHz SO-DIMM up to 8GB
LAN Chipset	2 x Intel i210-AT Gigabit Ethernet with PoE 802.3af 1 x Intel i-218LM GbE support VPro (iAMT9.5 w/ i5, i7 only)
Graphics	Intel HD Graphics
ATA	2 x serial ATA port with 6GB/s HDD transfer rate
Watchdog	Watchdog Timer Support, Offer 1-255 Step

I/O

Serial Port	14x RS232 (2 with RS-232/422/485)
USB port	2 x USB 3.0 and 1 x USB 2.0
LAN	3 x RJ45 Ports for GbE (2 x PoE 802.3at, 1 x support VPro)
Video port	1 x HDMI, DVI-I and 1 x VGA
GPIO port	4 In and 4 Out
Audio	Mic-in / Line-out (option 2 x Line-out)
Expansion bus	4 x Mini-card slots
SIM card socket	2 x SIM card sockets support onboard with eject

Storage

Type	1 x 2.5" Drive Bay for SATA type HDD/SSD, 1 x SATA DOM
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Software

Operating system	Windows 7, WES 7, Windows 10, Linux
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WLAN (optional)

GPS	Built-in uBlox GPS with 3m extended antenna cable
3G / LTE	Built-in 3G/LTE with 2 SIM card socket
WiFi	Built-in 802.11b/g/n WiFi

Power Requirement

Power Input	9V - 36V DC Power Input
Power management	Vehicle power ignition for variety vehicle
Power off control	Power off delay time setting by BIOS and software
Battery (UPS)	Internal battery kit for 10 minutes operating (optional)

Environmental

Operating temp.	-40°C ~ 70°C (SSD), ambient w/air
Storage temp.	-40°C ~ 80°C
Relative humidity	10% - 90% (non-condensing)
Vibration (random)	2.5g @5-500 Hz with SSD
Vibration operating	MIL-STD-810G, Method 514.5, Category 20 Ground vehicle-highway
Truck storage	MIL-STD-810G, Method 514.5, Category 24, Integrity Test
Shock	Operating MIL-STD-810G, Method 516.5, procedure I, Trucks and semi-trailers=15G (11ms) with SSD
Crash Harzard	MIL-STD-810G, Method 516.5, Procedure V, Ground equipment=100g
Certifications	CE, FCC Class A, E-13

Mechanical

Construction	Aluminum alloy
Mounting	Wall-mount/VESA-mount, Din rail mounting kit
Weight	1400g (bare-bone)
Dimensions	230 x 161 x 66mm

All specifications are subject to change without notice.