

# SD-OMEGA SD-3130

## Intel Braswell N-Series ATOM Fanless in-Vehicle Computer



### Features

- Intel N3160 Atom CPU up to 2.24GHz
- Wireless support LTE, 3.5G, GPS, WLAN, BT
- Input 9~36V with Ignition control for variety vehicle
- 3 x RS-232 (COM1&2 with RS-232/422/485)
- 2 x DI / 2 x DO (12V / 100mA)

### System

CPU	Intel N3710 Quad Core CPU up to 2.56GHz Intel N3160 Quad Core CPU up to 2.24GHz Intel N3060 Dual Core CPU up to 2.48GHz
Memory	1 x DDR3L 1600 MHz SO-DIMM up to 8GB
LAN Chipset	2 x Intel i210-AT Gigabit Ethernet
Graphics	Intel HD Graphics
ATA	2 x serial ATA 2.0 port with 6GB/s HDD transfer rate
Watchdog	Watchdog Timer Support, Offer 1-255 Step

### I/O

Serial Port	3x RS232 (COM1&2 with RS-232/422/485)
USB port	3 x USB 2.0
LAN	2 x RJ45 GbE Ports
Video port	1 x HDMI, 1 x DVI-I (Use only with single link DVI cables)
GPIO port	2 In and 2 Out (12V / 100mA)
Audio	Mic-in / Line-out
Expansion bus	3 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
------	--

### Software

Operating system	Windows 10, Ubuntu 14.04 above
------------------	--------------------------------

### 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

### Mechanical

Construction	Aluminum alloy
Mounting	Wall-mount/VESA-mount, Din rail mounting kit
Weight	1400g (bare-bone)
Dimensions	183 x 168 x 55mm