

SD-OMEGA SD-3611

Intel Gen6 Core i7-6600U CPU Vehicle Computer



Features

- Intel Gen 6 Core i7-6600
- Wireless support LTE, 3G w/Dual SIM card
- WLAN, GPS Dead Reckoning & G-Sensor, GSM/GPRS,BT
- 9~36V DC power input
- Smarter vehicle power ignition for variety vehicle
- Support Dual hot swappable SATA storage, RAID 0,1,5
- Support 1 x CAN Bus 2.0B (Optional)

System

CPU	Intel Gen 6 Core i7-6600U 2.6GHz up to 3.4GHz
	Intel Gen 6 Core i5-6300U 2.4GHz up to 3.0GHz
	Intel Gen 6 Core i3-6100U 2.3GHz
	Intel Gen 6 Dual Core 3955 2.0GHz
Memory	2 x DDR4 2133 MHz SO-DIMM up to 32GB
Chipset	Intel 6th Generation Core SoC processor
Graphics	Intel HD Graphics 520
	DirectX video acceleration (DXVA) for accelerating video processing - full AVC/VC1/MPEG2 HW decode
	Support DirectX 11/10.1/10/9 and OpenGL 4.0
Resolution	Max. resolution (HDMI 1.4): 4096 x 2304 @ 24Hz
	Max. resolution (DP): 4096 x 2304 @ 60Hz
LAN Chipset	Intel I210-AT Gb/s Ethernet Controllers Onboard Support PXE and WOL
Audio	Realtek ALC662 HD Codec Onboard
Watchdog	Watchdog Timer Support, Offer 1-255 Step

I/O

Serial Port	4 x RS-232 (2 with RS422/RS485 (Auto Direction Control))
USB port	2 x USB 3.0 Ports, 2 x USB 2.0 Ports
LAN	2 x RJ45 ports for GbE
Video port	1 x DVI-I + VGA connectors on rear I/O
	1 x DP Port connector on rear I/O
	(Support triple independent display) * Use only with singal Link DVI cables
DIO port	4 in and 4 out
Audio	1 x Line-out and 1 x Mic-in (Line-in optional)
SIM card socket	2 x SIM card socket supported onboard with eject

Storage

Type	2 x 2.5" Drive Bay for SATA Type HDD/SSD, RAID 0,1,5 1 x SATA DOM
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WLAN (optional)

GPS	Built-in uBlox GPS with 3m extended antenna cable
3G	Built-in 3G/LTE module
WiFi	Built-in 802.11b/g/n WiFi

Power Requirement

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

Environmental & Mechanical

Operating temp.	-40°C ~ 70°C (SSD), ambient w/air (default CPU 17W)
Storage temp.	-40°C ~ 80°C
Relative humidity	0% RH - 95% RH
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, and semi-trailers=40G (11ms) with SSD
Crash Harzard	MIL-STD-810G, Method 516.5, Procedure V, Ground equipment=100g
Certifications	CE, FCC Class A, eMark, EN50155, EN50121

Mechanical

Construction	Aluminum alloy
Mounting	Supports both of wall-mount/VESA-mount
Weight	1980g (bare-bone)
Dimension	250 x 150 x 56mm

All specifications are subject to change without notice.