

SD-OMEGA SD-3620-M12X

Intel Gen6 Core i7-6600U CPU Vehicle Computer



Features

- Intel Gen 6 Core i7-6600 / i5-6300U / i3-6100U
- Wireless support LTE, 3G w/Dual SIM card
- WLAN, GPS Dead Reckoning & G-Sensor, GSM/GPRS,BT
- 3 x GbE including 1 with iAMT
- Smarter vehicle power ignition for variety vehicle
- Support Dual hot swappable SATA storage, RAID 0,1,5
- Isolated wide input range 9-36VDC

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	Up to 4096 x 2304 @ 60Hz
LAN Chipset	2 x Intel I210-AT Gb/s Ethernet Controllers Onboard
	1 x Intel i219LM
Audio	Realtek ALC662 HD Codec Onboard
Watchdog	Watchdog Timer Support, Offer 1-255 Step

I/O

Serial Port	4 x RS-232/422/485 with isolation (Auto Direction Control)
USB port	2 x USB 3.0 Ports, 2 x USB 2.0 Ports
LAN	3 x 10/100/1000Mb/s w/M12 x-code (1 port with iAMT)
Video port	2 x DP, 1 x VGA
	(Support triple independent display)
DIO port	8 x GPI, 4 x GPO with isolation
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
	6 x SIM card sockets (optional)
Expansion bus	3 x Mini-card slots and 1 x M.2 slot

Storage

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

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)

* with 6 x SIM card slots option cannot have battery option

Environmental & Mechanical

Operating temp.	-40°C ~ 70°C (SSD), ambient w/air
Storage temp.	-40°C ~ 80°C
Relative humidity	0% RH - 95% RH
Vibration (random)	IEC60068-2-64, random, 2.5g @5-500 Hz, 1hr/axis with SSD
Vibration operating	MIL-STD-810G, Method 514.6, Procedure I, Category 4
	Operating: MIL-STD-810G, Method 516.6, Procedure I, Trucks and semi-trailers=15G (11ms) with SSD
Certifications	CE, FCC Class A, EN50155, EN50121

Mechanical

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

Ordering Information

Part number	SD-3620-M12X-000
Description	Intel Gen6 Core i7-6600U CPU with isolated input 3 x GbE with 1 x iAMT in-Vehicle Computer

All specifications are subject to change without notice.