SD3611-4L-D5G

Intel Gen 6 Core i7-6600U CPU with 4 x GbE LAN On-Board Computer with Dual 5G Modem Capability

Features

- **Intel Core i7-6600U**
- **Wireless support Dual 5G w/ Dual SIM Cards, WLAN, GPS Dead Reckoning, WiFi, BT (Optional)**
- **9V - 48V DC Power Input**
- **Smarter Vehicle Power Ignition for Variety Vehicle**
- **Dual Hot Swappable SATA Storage, RAID 0, 1, 5**
- **1 x CAN Bus 2.0B (Optional)**
- **E13 and EN50155 certified**

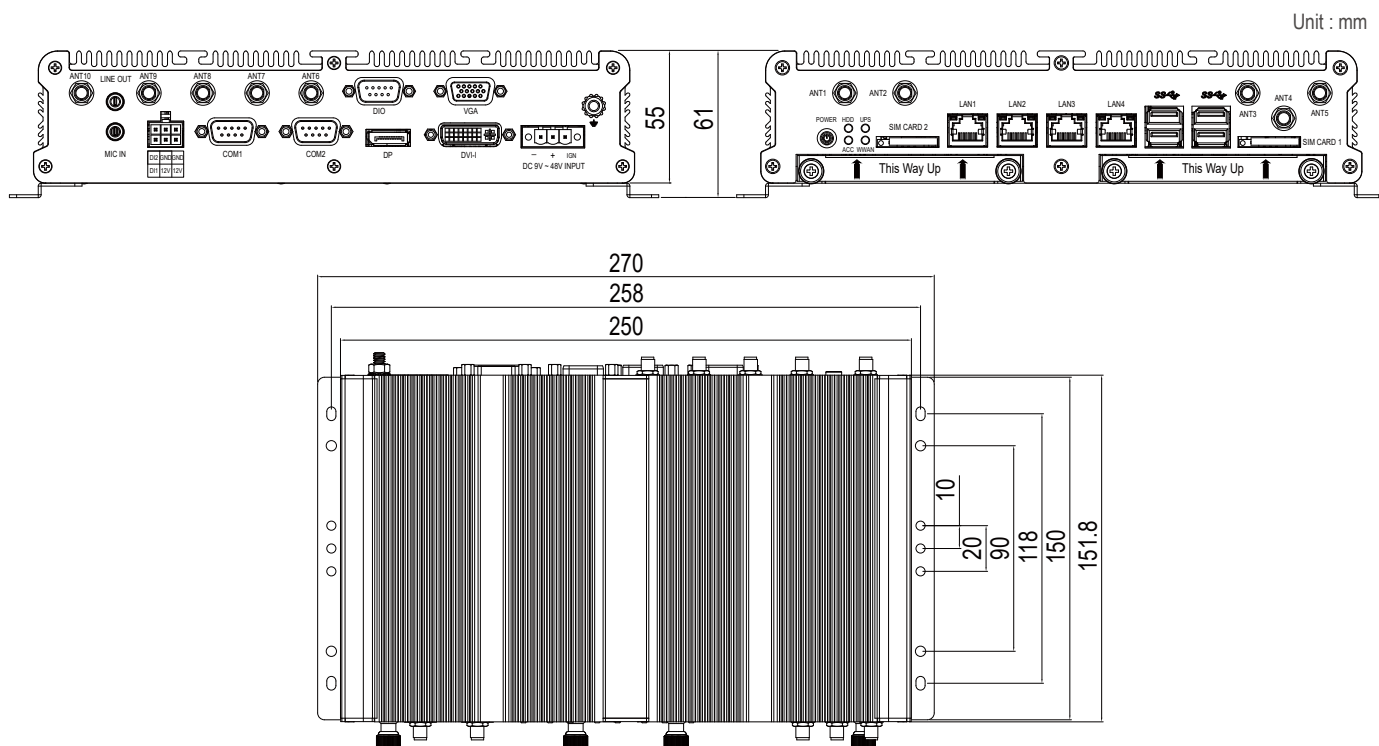| Dual 5G	Dual SIM	GPS	Wide Range	Delay Time

Introduction

SD3611-4L-D5G, as an In-Vehicle Computer, is powered by Intel Gen 6 Core i7-6600U CPU and features wide range 9~48V DC power inputs, smart vehicle power ignition, and adjustable power management. Dedicated power system design for a variety of vehicles is E13 and EN50155 certified, and can be adapted to unstable vehicle power source with ease. Optional CAN Bus and GPS Dead Reckoning provide interfaces for real time vehicle status monitoring and accurate location tracking. With addition of unique and first in the industry design of Dual 5G Networks capability, SD3611-4L-D5G fulfills applications needs of blazing fast mobile internet connection through aggregating networks and secondary 5G connection for redundancy in modern transportation, smart production, logistics, manufacturing, and automated guided vehicles (AGVs) sectors.

Specifications

System

CPU	Intel Gen 6 (Skylake-U) Core i7-6600U CPU
	Intel Gen 6 (Skylake-U) Core i5-6300U CPU
	Intel Gen 6 (Skylake-U) Core i3-6100U CPU
	Intel Gen 6 (Skylake-U) Celeron 3955U CPU
	CPU Socket type : FCBGA1356
Memory	Supports up to 2 x SO-DIMM DDR4 2133MHz up to 32GB
Chipset	Intel 6th Generation Core SoC Processor
LAN Chipset	3 x Intel i210-AT GbE Controllers
	1 x i219LM (support iAMT and PXE support) GbE Controller
Audio	Realtek HD Codec Onboard
Watchdog	Watchdog Timer Support, Offer 1 – 255 Step
TPM	2.0

I/O

Serial Port	2 x RS 232/422/485 (with RS-422/485 Auto Direction Control)
USB Port	4 x USB 3.2 Gen1 Type A
LAN	4 x RJ-45 for GbE (LAN 1 with iAMT and PXE support)
	Optional 4 x M12 X-code for GbE (LAN 1 with iAMT and PXE support)
Video Port	1 x DVI-I Single link* , 1 x DP 1.2, 1 x VGA *Use only with Single link DVI cables.
DIO Port	4 x DI (5~48VDC) and 4 x DO (12VDC, 100mA)
Audio	1 x Line out , 1 x Line-in
SIM Card Socket	2 x SIM Card Sockets (Onboard with Pin eject)
Expansion Bus	1 x M.2 2230 A-E Key, 2 x M.2 3042/52 B Key (USB 3.0 only), 2 x Full Mini-PCIe (full function)

Graphics

Graphics	Intel UHD Graphics 520 (for i7, i5, and i3)
	Intel UHD Graphics 510 (for Celeron)

Software

Operating System	Win 10 64bit, Ubuntu 18.04

Environmental

Operating Temp.	-40ºC ~ 70ºC, ambient w/ 0.6m/s airflow
Storage Temp.	-40ºC ~ 85ºC
Relative Humidity	10% RH – 90% RH (non-condensing)
Vibration (with SSD)	IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis
	MIL-STD-810G, Method 514.6, Procedure I, Cat.4, Operating
Shock	Operating: MIL-STD-810G, Method 516.6, Procedure I, Trucks and semi-trailers=15G (11ms) with SSD
Certifications	CE, FCC Class A, E13, EN50155, EN45545-2 (R25) (The input Negative connects with chassis Ground)

Storage

Type	2 x 2.5" Drive Bay for SATA Type HDD/SSD RAID 0, 1, 5
	1 x M.2 M key 2280 slot supports M.2 SATA SSD

Power Requirement

Power Input	9V - 48V DC Power Input
Power Protection	Automatics Recovery Short Circuit Protection
Power Mgmt.	Vehicle Power Ignition for Variety Vehicle
Power Off Control	Power off Delay Time Setting by Software and BIOS
Battery (UPS)	Internal Battery Kit for 10 Mins Operating (Optional) *UPS backup time varies depending on actual overall system power consumption.

Mechanical

Construction	Aluminum Alloy
Mounting	Supports Both of Wall-mount/VESA-mount
Weight	2160 g (Barebone)
Dimensions	250 x 150 x 55 mm

All specifications are subject to change without notice.

Dimensions

Unit : mm

Ordering Information

Part Number	SD3611-4L-D5G, option for i5/i3/C1
Description	Intel Gen 6 Core i7-6600U CPU with 4 x GbE LAN On-Board Computer with Dual 5G Modem Capability
State of Origin	Made in China

Optional Accessories

DRAM	SO-DIMM max.DDR4-2133,4GB~32GB,0~70ºC/-40~85ºC
SATA SSD	2.5inch MLC/TLC 64GB~1TB 0~70ºC/-40~85ºC
SATA DOM	MLC 8GB~128GB, 0~70ºC/-40~85ºC
Wifi	M.2 A-E key 2230, 802.3a/b/g/n/ac
Modem	Dual 5G Sub 6 modem
GPS	GPS miniPCIe card
CANBUS	CANBUS miniPCIe card
Battery backup kit	BAT-3610 kit, 1150mAH 3S1P Battery kit (-30~60ºC)
Power adapter	Power Adapter 12V/5A 60W Jack

All specifications are subject to change without notice.