SD3611-POEX

Intel Gen6 Core i7-6600U CPU with 4 x POE Ports On-Board Computer

Features

- **Intel Core i7-6600U**
- **Wireless support LTE w/ SIM Card, WLAN, GPS Dead Reckoning, BT (Option)**
- **4 x Power Over Ethernet (POE)**
- **Smarter Vehicle Power Ignition for Variety Vehicle**
- **Dual Hot Swappable SATA Storage, RAID 0, 1, 5**
- **1 x CAN Bus 2.0B (Optional)**

POE GPS Wireless Wide Range Delay Time

Introduction

The SD3611 POEX On-Board Computer is powered by Intel® Gen 6 Core i7-6600U with 4x POE ports, wireless support LTE, 3.5G w/ Dual SIM cards (Auto-switch). Additionally, it supports 9V - 36V DC Power Input. It can be operated in extreme weather conditions (Operating temperature: -40ºC ~ 70 ºC) and is suitable for railway station management and license plate recognition (LPR).
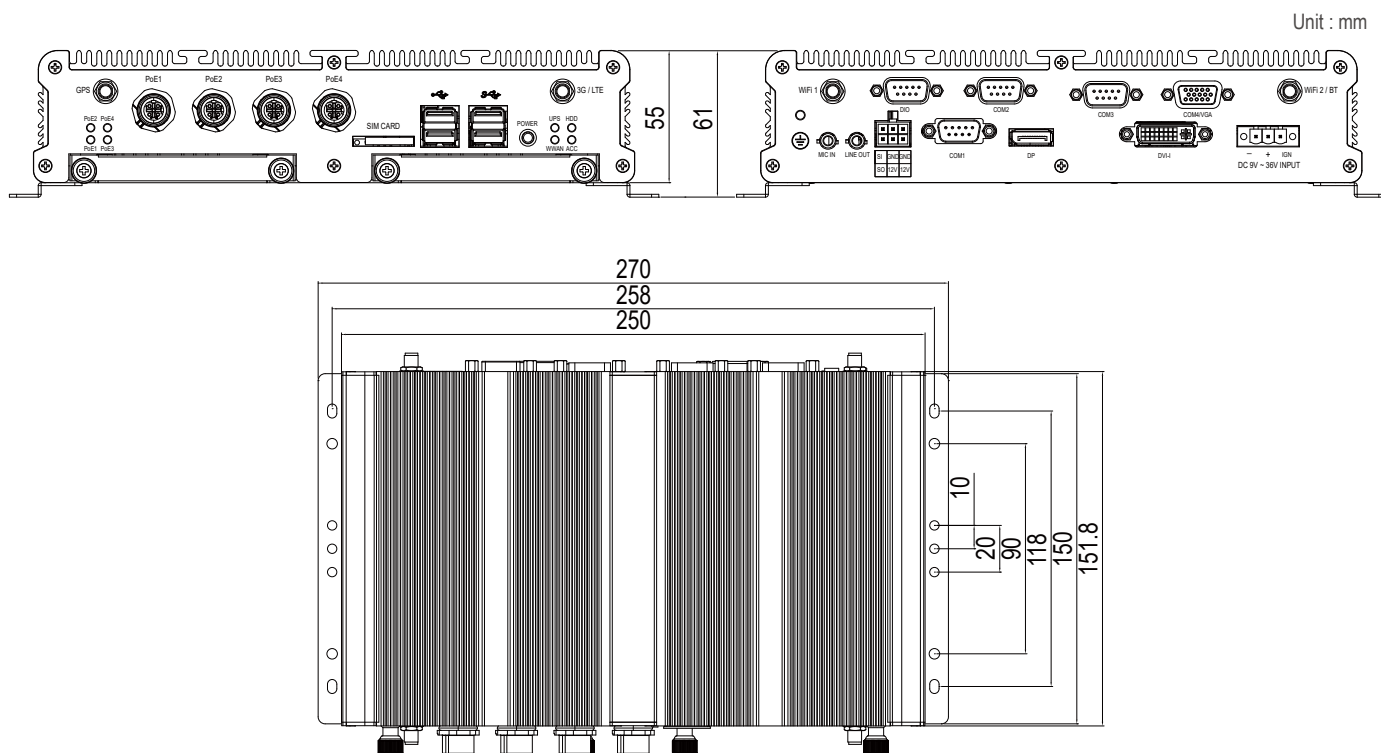
The SD3611 POEX On-Board Computer is designed for fleet management, mobile DVR, driver behavior record and in-vehicle digital signage. This technology enables us to offer a new in-vehicle component which can be applied as part of biometric systems and passenger information collection for user authentication purposes.

Specifications

System	
CPU	Intel Gen6 Core i7-6600U 2.6GHz up to 3.4GHz
	Intel Gen 6 Core i5-6300U 2.4GHz up to 3.0GHz
	Intel Gen6 Core i3-6100U 2.3GHz
	Intel Gen6 Dual Core 3955U 2.0GHz
Memory	2 x DDR4 2133 MHz SO-DIMM up to 32GB
Chipset	Intel 6th Generation Core SoC Processor
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
TPM	2.0

I/O	
Serial Port	3 x RS-232 (2 with RS-422/485 (Optional Max 4 x RS-232/422/485))
USB Port	2 x USB 3.0 Ports, 2 x USB 2.0 Ports
LAN	4 x M12 X-Code for GbE POE (IEEE802.3AF 15.4W per port)
Video Port	1 x DVI-I* , 1 x DP, 1, VGA (Support Triple Independent Display)
DIO Port	4 In and 4 Out
Audio	1 x Line-out and 1 x Mic-in (Line-in Optional)
SIM Card Socket	1 x SIM Card Socket Supported Onboard with eject
	* Use only with Single Link DVI Cables.

Graphics	
Graphics	Intel® HD Graphics 520
	DirectX Video Acceleration (DXVA) for Accelerating Video Processing - Full AVC/VC1/MPEG2 HW Decode Supports DirectX 11/10.1/10/9 and OpenGL 4.0
Resolution	Max Resolution (HDMI1.4) : 4096x2304@24Hz
	Max Resolution (DP) : 4096x2304@60Hz

Software	
Operating System	Win 10, Ubuntu 16.04 64bit

Environmental	
Operating Temp.	-40ºC ~ 70ºC, ambient w/ 0.6m/s airflow
Storage Temp.	-40ºC ~ 80ºC
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, E-13

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

Power Requirement	
Power Input	9V - 36V 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)

Mechanical	
Construction	Aluminum Alloy
Mounting	Supports Both of Wall-mount/VESA-mount
Weight	1980 g (Barebone)
Dimensions	250 x 150 x 55 mm

Dimensions

Unit : mm

Ordering Information

Part Number	SD3611-POEX-i7, option for i5/i3/C1
Description	Intel Gen6 Core i7-6600U CPU with 4x POE Ports On-Board Computer
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
mSATA	MLC 8G~128GB, 0~70ºC/-40~85ºC
Wifi	Wifi miniPCIe card 802.3a/b/g/n/ac
Modem	LTE miniPCIe card
GPS	GPS miniPCIe card
CANBUS	CANBUS miniPCIe card
Battery backup kit	BAT-3610 kit, 1150mAH 3S1P Battery kit (-30~60ºC)
Power adapter	Power Adapter 24V/5.41A 130W Jack

All specifications are subject to change without notice. Website: www.sd-omega.com Email: sales@sd-omega.com