

# SD3611-IP65

Intel Gen6 Core i7-6600U CPU with HD 520 GPU IP65 In-Vehicle Computer

## Features

- Intel Core i7-6600U
- Wireless Support LTE, WLAN, GPS, Bluetooth(Optional)
- 9V - 48V DC Power Input
- Smarter Vehicle Power Ignition for Variety Vehicle
- 4 x DI / 4 x DO with Relay 5V / 100mA
- 2 x Analog Input (0-48V)
- IP65 Level for Water and Dust Proof



POE



GPS



Wireless



Wide Range



Delay Time

## Introduction

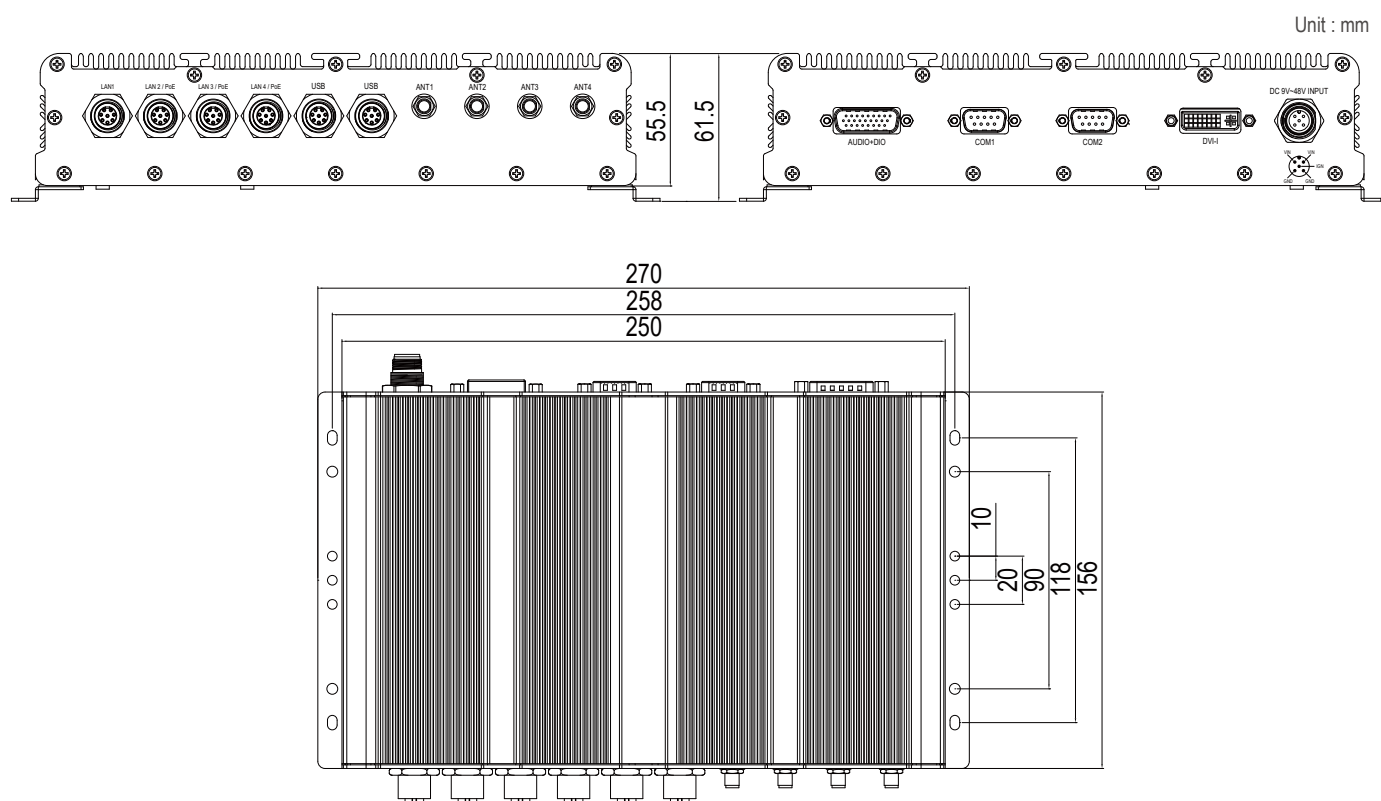
The SD3611-IP65 On-Board Computer is powered by Intel Gen6 Core i7-6600U CPU. With CE, FCC Class A and E-13 certifications, the SD3611-IP65 In-Vehicle Computers are designed and manufactured to withstand dust, moisture, and temperature changes. With Intel Gen6 Core i7-6600U CPU and HD 520 GPU IP65, the waterproof, dustproof, snowproof SD3611-IP65 In-Vehicle Computers can effectively support vehicles in bad weather and extreme working conditions, such as snowplow, complex excavator and stacker operations. The strong environmental tolerance continually maintains a wide range of operating temperature (-40 ~ 70 °C). With SD3611-IP65 In-Vehicle Computers, all related vehicles can be powered and easily connected for remote and real-time management.

## Specifications

System	
CPU	Intel Gen6 Core i7-6600U 2.6GHz up to 3.4GHz Intel Gen6 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
LAN Chipset	1 x Intel I219LM (support iAMT for i5, i7 only) Gigabit Ethernet 1 x 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	2 x RS-232/422/485 (optional max. 4 x RS-232/422/485)
USB Port	4 x USB 2.0 Ports on Front I/O
LAN	4 x M12 A-Code for GbE (3 ports with PoE 802.3af)
Video Port	1 x DVI-I *
DIO Port	4 in and 4 out with Relay 5V / 100mA
AIO Port	2 x Analog Input (Voltage range 0~48VDC, accuracy ±500 mV)
Audio	1 x Line-out, 1 x Mic-in and 1 x Line-in (optional - 1 x Line-out additional)
SIM Card Socket	2 x SIM Card Sockets Supported Onboard
Expansion Bus	3 x Mini-Card Slots and 1 x M.2 A-E Key 2230 slot * 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	Up to 2560 x 1600 @85Hz

Software	
Operating System	Win 10, Ubuntu 16.04 64bit
Environmental	
Operating Temp.	-40°C ~ 70°C, ambient w/ 0.6m/s airflow
Storage Temp.	-40°C ~ 80°C
Relative Humidity	10% RH – 90% RH (non-condensing)
IP Rating	IP65
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, EN50155, EN45545-2 (R25)
Storage	
Type	1 x 2.5" Drive Bay for SATA Type Hard Disk Drive / SSD 1 x M.2 2280 co-layout 2242 M key SSD (SATA BUS)
Power Requirement	
Power Input	9V - 48V DC Power Input
Power Protection	Automatics Recovery Short Circuit Protection
Power Mgmt.	Vehicle Power Ignition for Variety Vehicle
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 155 x 55 mm

## Dimensions



## Ordering Information

Part Number	SD3611-IP65-i7, option for i5/i3/C1
Description	Intel Gen6 Core i7-6600U CPU with HD 520 GPU IP65 In-Vehicle Computer
State of Origin	Made in China

## Optional Accessories

DRAM	SO-DIMM max.DDR4-2133,4GB~32GB,0~70°C/-40~85°C
SATA SSD	2.5inch MLC/TLC 64GB~1TB 0~70°C/-40~85°C
M.2 SATA SSD	M.2 M key TLC -40~85°C, 2280 64GB~1TB / 2242 64GB~512GB
Wifi	M.2 A-E key 2230, 802.3a/b/g/n/ac
Modem	LTE miniPCle card
GPS	GPS miniPCle card
CANBUS	CANBUS miniPCle card
Battery backup kit	1150mAH 3S1P Battery kit (-30~60°C)