VBOX-3611-4L

Intel Gen6 Core i7-6600U CPU with 4 x GbE LAN On-Board Computer

Features

- **Intel Core i7-6600U**
- **Wireless support LTE 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**

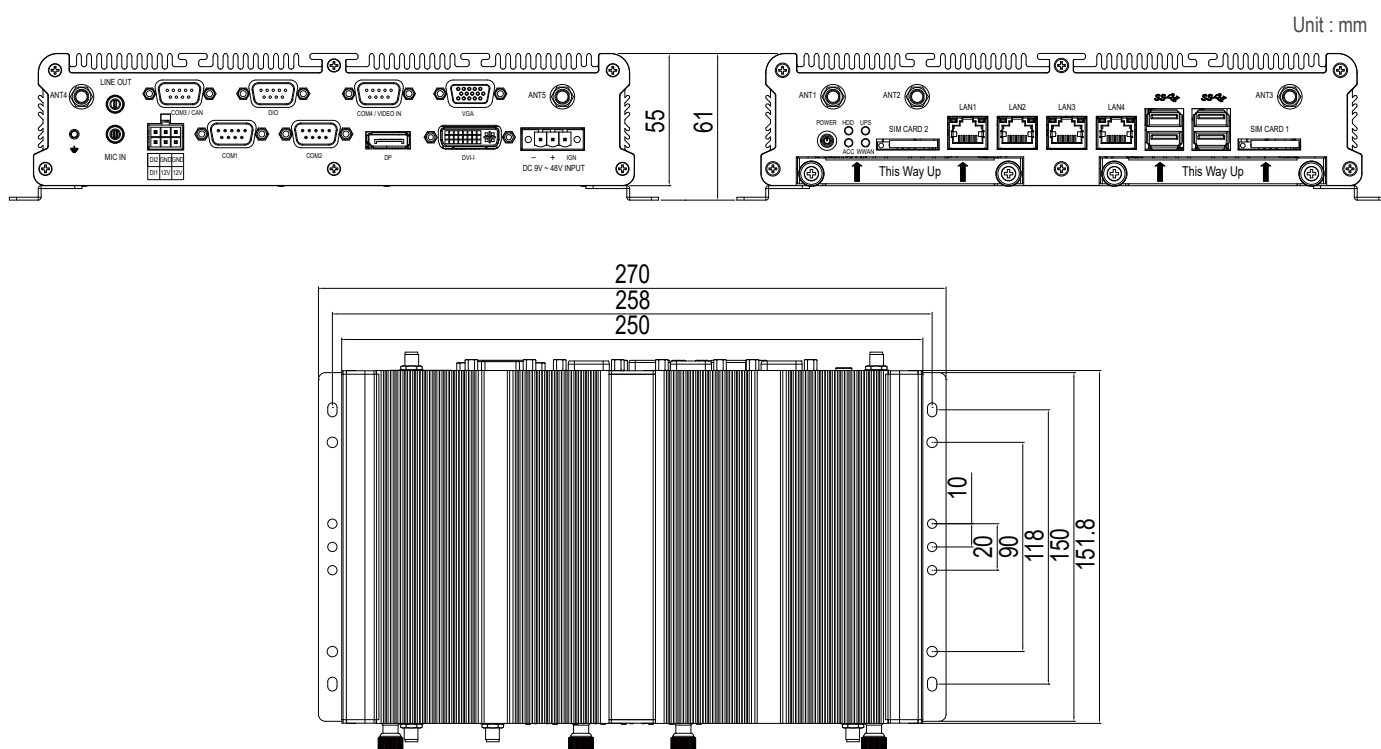| GPS	Wireless	Wide Range	Delay Time

Introduction

The VBOX-3611-4L is powered by Intel Gen six Core i7-6600U CPU with four GbE LAN In-Vehicle Comptuer. It is designed for a wide range of DC power inputs 9V~48V DC which are isolated for power, serial and I/O port. It features an optional CAN Bus 2.0B port and wireless communication technology, offers wireless support LTE with SIM card, WLAN, GPS Dead Reckoning, and BT (Optional). It is E13 and EN50155 certified. VBOX-3611-4L provides four GbE, including one with iAMT. It features smart vehicle power ignition, power management for a variety of vehicles, and it can be adapted to the needs of any vehicle management systems, tracking the trains', cars', or trucks' internal hardware and software states, usage and movement.

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
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	4 x RS-232 (2 with RS-422/485 (Auto Direction Control))
USB Port	4 x USB 3.0 Ports
LAN	4 x RJ45 Ports (optional M12 connector) for GbE (1 port with iAMT)
Video Port	1 x DVI-I*, 1 x VGA and 1 x DP (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	2 x SIM Card Sockets Supported Onboard with eject
Expansion Bus	3 x mini-PCIe cards, 1 x M.2 2230 A-E Key
	* 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 **Patent No. : M448011 - Thermal Cooling**
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 SATA DOM

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. **Patent No. : M447854 - Build-in Battery**

Mechanical

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

Dimensions

Unit : mm

Ordering Information

Part Number	VBOX-3611-4L-i7, option for i5/i3/C1
Description	Intel Gen6 Core i7-6600U CPU with 4 x GbE LAN On-Board Computer
State of Origin	Made in Taiwan

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	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 12V/5A 60W Jack

All specifications are subject to change without notice.