

# VBOX-3610-POE



Backplane  
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## Intel Gen5 Core i7-5650U CPU with 4 x POE Ports On-Board Computer



Delay Time



Power Ignition



Wide Range



Wireless



Battery backup

## Features

- Intel Core i7-5650U / Core i3-5010U
- Wireless support LTE, 3.5G w/ SIM Card, WLAN  
GPS Dead Reckoning, GSM/GPRS, BT
- 4 x Power Over Ethernet (POE)
- Smarter Vehicle Power Ignition for Variety Vehicle
- Support Dual Hot Swappable SATA Storage
- Support 1 x CAN Bus 2.0B (Optional)

Taiwan Patent No. M447854  
Taiwan Patent No. M448011

## System

<b>CPU</b>	Intel Gen 5 Core i7-5650U 2.2GHz up to 3.1GHz Intel Gen 5 Core i3-5010U 2.1GHz Intel Gen 4 Core i7-4650U 1.7GHz up to 3.3GHz Intel Gen 4 Core i5-4300U 1.9GHz up to 2.9GHz Intel Gen 4 Core i3-4010U 1.7GHz Intel Gen 4 Dual Core Celeron 2980U 1.6GHz
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**Memory** 2 x DDR3L 1600 MHz SO-DIMM up to 16GB

**Chipset** N/A

**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

## I/O

**Serial Port** 3 x RS-232 (2 with RS-422/485 (Auto Direction Control))

**USB Port** 2 x USB 3.0 Ports, 2 x USB 2.0 Ports

**LAN** 4 x M12 Ports for GbE POE (IEEE802.3AF/AT 15.4W per port)

**Video Port** 1 x DVI-I\*, 1 x DP Port, 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 5000 / 6000  
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 4096 x 2304

## Storage

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

## 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 (UPS)** Internal Battery Kit for 10 Mins Operating (Optional)

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

## Environmental

**Operating Temp.** -40°C ~ 70°C (Default CPU 17Watt)

**Storage Temp.** -40°C ~ 80°C

**Relative Humidity** 0% RH – 95% RH

**Vibration(random)** 2.5g@5~500 Hz with SSD

**Vibration Operating** MIL-STD-810G, Method 514.5, Category 20,  
Ground Vehicle-Highway

**Truck Storage** MIL-STD-810G, Method 514.5, Category 24, Integrity Test

**Shock** Operating: MIL-STD-810G, Method 516.5, Procedure I,  
Trucks and semi-trailers=15G (11ms) with SSD

**Crash Hazard** MIL-STD-810G, Method 516.5, Procedure V,  
Ground equipment=100g

**Certifications** CE, FCC Class A, E-13, EN50155, EN50121

## Mechanical

**Construction** Aluminum Alloy

**Mounting** Supports Both of Wall-mount/VESA-mount

**Weight** 1780 g (Barebone)

**Dimensions** 250 x 150 x 55 mm

## Ordering Information

**Part Number** 763610000100

**Description** Intel Gen5 Core i7-5650U CPU with 4x POE Ports  
On-Board Computer

**State of Origin** Made in Taiwan