VBOX-3610-POE

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

Delay Time

Power Ignition

Wide Range

Wireless

Battery Backup

intel inside CORE i7

Windows® Embedded Partner

Taiwan Patent No. M447854
Taiwan Patent No. M448011

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)

System

CPU	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
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.	-40ºC ~ 70ºC (Default CPU 17Watt)
Storage Temp.	-40ºC ~ 80ºC
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