

VBOX-3610-M12

Intel Gen5 Core i7-5650U CPU with HD 6000 GPU / 2 x M12 LAN
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/ Dual SIM Cards, WLAN, GPS Dead Reckoning, GSM/GPRS, BT
- 9V - 36V DC Power Input
- Vehicle Power Ignition for Variety Vehicle
- Dual Hot Swappable SATA Storage
- 1 x CAN Bus 2.0B (Optional)
- 2 x M12 LAN Ports

Taiwan Patent No. M447854
Taiwan Patent No. M448011

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
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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 4 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 2 x M12 Ports for GbE

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

Graphics

Graphics Intel® HD Graphics 6000 / 5000
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 3200x2000@60Hz (DP) for Gen 4
Up to 3840x2160@60Hz (DP) for Gen 5

Storage

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

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 BIOS and Software

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-810F, Method 514.5, Category 20,
Ground Vehicle-Highway

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

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

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

Certifications CE, FCC Class A, EMark Compliance, EN50155, EN50121,
EN45545-2 (R25)

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 VBOX-3610-M12-000

Description Intel Gen5 Core i7-5650U CPU with HD 6000 GPU /
2 x M12 LAN On-Board Computer