

VBOX-3600-M12

Intel Gen3 Core i7 CPU 1.7GHz w/ HD 4000 GPU/ 2 x M12 LAN On-Board Computer



Delay Time



Power Ignition



Wide Range



Wireless



Battery Backup

Taiwan Patent No. M447854
Taiwan Patent No. M448011

System

CPU	Intel Gen 3 Core i7-3517UE 1.7GHz Intel Gen 3 Core i3-3217UE 1.6GHz Intel Gen 3 Celeron Dual Core 1047E 1.4GHz
Memory	1 x DDR3 1066/1333/1600 MHz SO-DIMM up to 8GB
Chipset	QM77
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-485 (Auto Direction Control))
USB Port	4 x USB 3.0 Ports, 1 x USB 2.0 Ports for Internal
LAN	1 x RJ45 Ports and 2 x M12 Ports for GbE
Video Port	1 x DVI-I + VGA Connector on Rear I/O 1 x DP Port Connector on Rear I/O (Support Dual 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 4000 DirectX Video Acceleration (DXVA) for Accelerating Video Processing - Full AVC/VC1/MPEG2 HW Decode Supports DirectX 11/10.1/10/9 and OpenGL 3.0
Resolution	Up to 1920x1200

Storage

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

- Intel Gen 3 Core i7-3517UE 1.7GHz
- Wireless Support LTE, 3.5G w/ Dual SIM Cards, WLAN, GPS Dead Reckoning & G-Sensor, GSM/GPRS, BT
- Support 2 x M12 LAN Ports
- Smarter Vehicle Power Ignition for Variety Vehicle
- Support Dual Hot Swappable SATA Storage
- Support 1 x CAN Bus 2.0B (Optional)

Power Requirement

Power Input	9V - 32V DC Power Input with Isolation
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, Default is 5 Mins
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

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	763600000104
Description	Intel Gen3 Core i7 CPU 1.7GHz w/ HD 4000 GPU/ 2 x M12 LAN On-Board Computer