

VBOX-3620-M12X

Taiwan Patent No. M447854, M448011

Intel Gen6 Core i7-6600U CPU with Isolated Input 3 x GbE and 1 x iAMT
In-Vehicle Computer/ EN50155 Railway Applications

Features

- Intel Core i7-6600U / i5-6300U / i3-6100U
- Wireless support LTE w/ SIM Card, WLAN, GPS Dead Reckoning, BT(Optional)
- 3 x GbE including 1 with iAMT
- Isolated wide Input Range 9-36V DC
- Max. 8 x SIM card Sockets
- Dual Hot Swappable SATA Storage, RAID 0,1,5
- EN50155 Tx temperature and class S2 interruption
- E-13 Certified



GPS



Wireless



Wide Range



Delay Time

Introduction

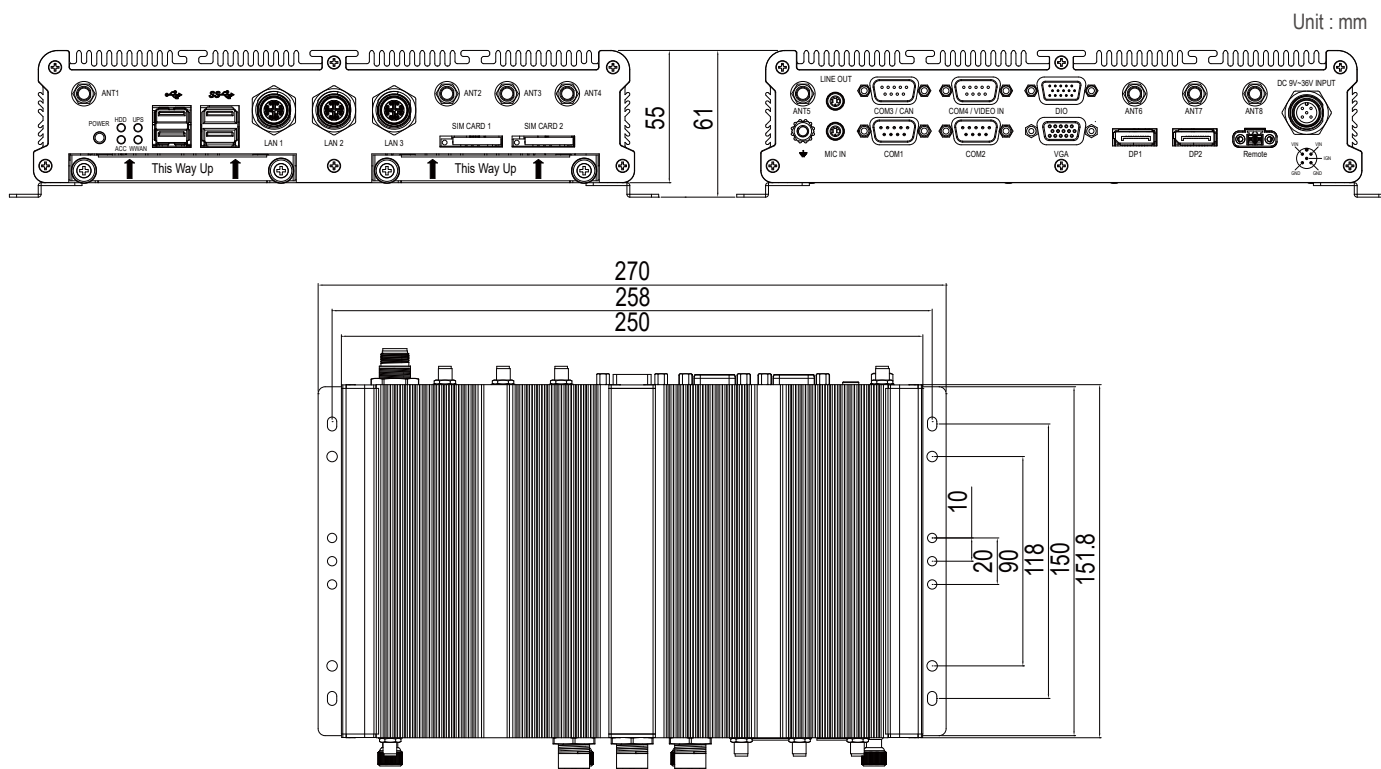
The VBOX-3620-M12X is powered by Intel Gen6 Core i7-6600U CPU with Isolated input In-Vehicle Computer. VBOX-3620-M12X provides three GbE, including one with iAMT. It offers wireless support LTE with SIM Card, GPS, and BT (optional). It features smart vehicle power ignition for a variety of vehicles, and it can be adapted to all kinds of vehicle management systems like those with GPS, fleet monitoring systems, and vehicle repairing systems. It can manage a vehicle's internal capabilities to accurately assess and track a vehicle's internal hardware and software states, forward-thinking usage, and all fleet movements.

Specifications

| System | |
|------------------|--|
| CPU | Intel Gen6 Core i7-6600U 2.6GHz up to 3.4GHz Intel Gen6 Core i5-6300U 2.4GHz up to 3GHz Intel Gen6 Core i3-6100U 2.3GHz Intel Gen6 Dual Core 3955U 2.0GHz |
| Memory | 2 x SO-DIMM DDR4 up to 32GB |
| LAN Chipset | 6 x Intel I210AT |
| Audio | Realtek ALC662 HD Codec Onboard |
| Watchdog | Watchdog Timer Support, Offer 1 – 255 Step |
| I/O | |
| Serial Port | 4 x RS-232/422/485, w/ isolation (Auto Direction Control) |
| USB Port | 2 x USB 3.0 Ports, 2 x USB 2.0 Ports |
| LAN | 3 x 10/100/1000 Mb/s w/ M12 x-code (1 port with iAMT) |
| Video Port | 2 x DP Port, 1 x VGA (Support Triple Independent Display) |
| DIO Port | 8 x GPI and 4 x GPO w/ isolation |
| 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 6 x SIM Card Sockets (Optional order No. SIM-6A) |
| Expansion Bus | 3 x Mini-card slots and 1 x M.2 A-E Key 2230 slot |
| 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 | Up to 4096 x 2304@60 Hz |
| Software | |
| Operating System | Win 10, Ubuntu 16.04 64bit |

| Environmental | |
|----------------------|--|
| Operating Temp. | -40°C ~ 70°C, ambient w/ 0.6m/s airflow Patent No. : M565941 - Thermal Cooling |
| Storage Temp. | -40°C ~ 80°C |
| Relative Humidity | 10% RH – 90% RH (non-condensing) |
| Vibration (with SSD) | IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis EN 50155 EN61373, Operating |
| Shock | EN 50155 EN61373 |
| Certifications | CE, FCC Class A, EN50155, EN50121, E13, EN45545-2 (R25) |
| 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 - 36V DC Power Input with Isolation |
| 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 *with 6 x SIM card slots option cannot have Battery option |
| Mechanical | |
| Construction | Aluminum Alloy |
| Mounting | Supports Both of Wall-mount/VESA-mount |
| Weight | 1900g |
| Dimensions | 250 x 150 x 55 mm |

Dimensions



Please Scan The QR Code For More Information

Ordering Information

| | |
|-----------------|--|
| Part Number | VBOX-3620-M12X-i7, option for i5/i3/C1 |
| Description | Intel Gen6 Core i7-6600U CPU with Isolated Input 3x GbE with 1 x iAMT In-Vehicle Computer/EN50155 Railway Applications |
| State of Origin | Made in Taiwan |

Optional Accessories

| | |
|--------------------|---|
| DRAM | SO-DIMM max.DDR4-2133,4GB~32GB,0~70°C/-40~85°C |
| SATA SSD | 2.5inch MLC/TLC 64GB~1TB 0~70°C/-40~85°C |
| SATA DOM | MLC 8G~128GB, 0~70°C/-40~85°C |
| Wi-Fi | Wifi miniPCIe half size card 802.3a/b/g/n/ac |
| Modem | LTE miniPCIe card |
| GPS | GPS miniPCIe card |
| CANBUS | CANBUS miniPCIe card |
| SIM-6A Kit | 3 x Modem miniPCIe w/ 6*SIM cards. Cannot use with BAT-3620 |
| Battery Backup Kit | BAT-3620 kit, 1150mAH 3S1P Battery kit (-30~60°C) |
| Power Adapter | 90W AC/DC Adapter Recommended |