

VBOX-3620-M12X

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, 3.5G w/ SIM Card, WLAN GPS Dead Reckoning, GSM/GPRS, BT
- 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



Taiwan Patent No. M447854

Taiwan Patent No. M448011



Delay Time



Power Ignition



Wide Range



Wireless



Battery Backup



| 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 Gen 6 Dual Core 3955U 2.0GHz |
| Memory | 2 x SO-DIMM DDR4 up to 32GB |
| LAN Chipset | 2 x Intel i210AT and 1 x Intel i219LM |
| 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) |
| Expansion Bus | 3 x Mini-card slots 1 x M.2 A-E Key 2230 slot |
| Environmental | |
| Operating Temp. | -40°C ~ 70°C |
| Storage Temp. | -40°C ~ 80°C |
| Relative Humidity | 0% RH – 95% RH |
| Vibration (random) | IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis with SSD |
| Vibration Operating | MIL-STD-810G, Method 514.6, Procedure I, Category 4 |
| Shock | Operating: MIL-STD-810G, Method 516.6, Procedure I, Trucks and semi-trailers=15G (11ms) with SSD |
| Certifications | CE, FCC Class A, EN50155, EN50121 |

| Power Requirement | |
|----------------------|--|
| Power Input | 9V - 36V 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 and BIOS |
| Battery(UPS)* | Internal Battery Kit for 10 Mins Operating (Optional) Patent No. : M447854 - Build-in Battery *with 6 x SIM card slots option cannot have Battery option |
| 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 |
| Storage | |
| Type | 2 x 2.5" Drive Bay for SATA Type HDD/SSD RAID 0, 1, 5 1 x SATA DOM |
| Mechanical | |
| Construction | Aluminum Alloy |
| Mounting | Supports Both of Wall-mount/VESA-mount |
| Weight | 1900g |
| Dimensions | 250 x 150 x 55 mm |
| Ordering Information | |
| Part Number | VBOX-3620-M12X-i7 |
| 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 |