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**
- **E-13 Certified**

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.	-40ºC ~ 70ºC, ambient w/ 0.6m/s airflow
Storage Temp.	-40ºC ~ 80ºC
Relative Humidity	0% RH – 95% RH
Vibration (random)	IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis with SSD
Vibration Operating	EN 50155 EN61373
Shock	EN 50155 EN61373
Certifications	CE, FCC Class A, EN50155, EN50121, E13

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

All specifications are subject to change without notice.

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