

# RBOX-1000-M12X

Intel Gen6 Core i7-6600U CPU with Isolated 110VDC Input 6 x GbE with optional PoE  
In-Vehicle Computer/ EN50155 Railway Applications

## Features

- Intel Core i7-6600U / i5-6300U / i3-6100U
- Wireless support LTE w/ SIM Card, GPS, BT(option)
- 6 x GbE optional PoE
- Isolated wide Input Range 77-137V DC
- Dual Hot Swappable SATA Storage, RAID 0,1,5
- EN50155 Tx temperature and class S2 interruption



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
Watchdog	Watchdog Timer Support, Offer 1 – 255 Step
I/O	
USB Port	2 x USB 3.0 Ports
LAN	6 x 10/100/1000 Mb/s w/ M12 X-code (optional PoE total 90W max.)
Video Port	1 x HDMI
SIM Card Socket	2 x SIM Card Sockets, supported onboard with eject
Expansion Bus	2 x Mini-card slots (USB Bus only)
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 mSATA
Software	
Operating System	Win 10, Ubuntu 16.04 64bit

Power Requirement	
Power Input	77-137V DC Power Input with Isolation
Power Protection	Automatics Recovery Short Circuit Protection Meet EN50155 Class S2
Environmental	
Operating Temp.	-40°C ~ 70°C EN50155 Tx, ambient w/ 0.6m/s airflow
Storage Temp.	-40°C ~ 85°C
Relative Humidity	10% RH – 90% RH (non-condensing)
Vibration Operating	EN 50155, EN61373
Shock	EN 50155, EN61373
Certifications	EN 50155, EN50121-1, EN50121-3-2
Mechanical	
Construction	Aluminum Alloy
Mounting	1U 19' Rock mount
Weight	2500g
Dimensions	482 x 300 x 44mm
Ordering Information	
Part Number	RBOX-1000-M12X-i7
Description	Intel Gen6 Core i7-6600U CPU with Isolated 110VDC Input 6 x GbE with optional PoE In-Vehicle Computer/ EN50155 Railway Applications
State of Origin	Made in Taiwan