

# RBOX-1000

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, 3.5G w/ SIM Card, GPS, BT
- 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

<b>CPU</b>	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
<b>Memory</b>	2 x SO-DIMM DDR4 up to 32GB
<b>LAN Chipset</b>	6 x Intel I210AT
<b>Watchdog</b>	Watchdog Timer Support, Offer 1 – 255 Step

## I/O

<b>USB Port</b>	2 x USB 3.0 Ports
<b>LAN</b>	6 x 10/100/1000 Mb/s w/ M12 X-code (optional PoE total 100W max.)
<b>Video Port</b>	1 x HDMI
<b>SIM Card Socket</b>	2 x SIM Card Sockets, supported onboard with eject
<b>Expansion Bus</b>	2 x Mini-card slots (USB Bus only)

## Graphics

<b>Graphics</b>	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
<b>Resolution</b>	Up to 4096 x 2304@60 Hz

## Storage

<b>Type</b>	2 x 2.5" Drive Bay for SATA Type HDD/SSD RAID 0, 1, 5 1 x mSATA
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## Power Requirement

<b>Power Input</b>	77-137V DC Power Input with Isolation
<b>Power Protection</b>	Automatics Recovery Short Circuit Protection Meet EN50155 Class S2

## Environmental

<b>Operating Temp.</b>	-40°C ~ 70°C EN50155 Tx
<b>Storage Temp.</b>	-40°C ~ 85°C
<b>Relative Humidity</b>	0% RH – 95% RH
<b>Vibration Operating</b>	EN 50155 EN61373
<b>Shock</b>	EN 50155 EN61373
<b>Certifications</b>	EN 50155, EN50121-1, EN50121-3-2

## Mechanical

<b>Construction</b>	Aluminum Alloy
<b>Mounting</b>	1U 19" Rock mount
<b>Weight</b>	2500g
<b>Dimensions</b>	482 x 300 x 44mm

## Ordering Information

<b>Part Number</b>	RBOX-1000-i7
<b>Description</b>	Intel Gen6 Core i7-6600U CPU with Isolated 110VDC Input 6 x GbE with optional PoE In-Vehicle Computer/ EN50155 Railway Applications