

# MBOX-8000

# RE CAB

YOUR EMBEDDED TEAM PLAYER

**High Performance Fanless**  
**3<sup>rd</sup> Gen. Intel®Core™ i7-3517UE (2.8GHz) or**  
**i3-3217UE (1.6GHz) Marine BoxPC**



## Contact Information

RE CAB Embedded Computers AB  
Website: [www.recab.com](http://www.recab.com)  
Email: [info@recab.com](mailto:info@recab.com)

Contact our local office:

**Sweden/Finland**  
Fraktflygargatan 7  
12830 Skarpnäck, Sweden  
Tel: +46 8 683 03 00

**Denmark**  
Kirke Værløsevej 24  
DK-3500 Værløse  
Tel: +45 44 35 11 85

**Norway**  
Mjøskanten, Stangeveien 111  
2321 Hamar, Norway  
Tel: +47 62 54 02 91

## Features

- 3<sup>rd</sup> Generation Intel® Core™ i7 1.7 GHz up to 2.8 GHz or Intel® Core™ i3 1.6 GHz processor onboard
- High performance DDR3-1600 4 GB
- IEC60945 certificate, DNV2.4 comply, EN50155
- Fanless with operating temperature range of -40°C ~ +70°C
- Isolated RS-232/422/485, CAN bus and DIO
- Supports USB 3.0 and SATA3
- 2 removable & lockable 2.5" SATA HDD and 1 CFast™
- 3 internal PCI Express Mini Card slot and 1 SIM slot
- Comply to fire protection of railway vehicles Europe standard PrCEN TS 45545-2

## Specifications

<b>Standard</b>	Color Silver-Black
<b>Construction</b>	Aluminum extrusion and heavy-duty steel, IP40
<b>CPU</b>	3rd Generation Intel® Core™ i processor onboard; 3rd Gen. Intel® Core™ i7-3517UE (up to 2.8 GHz) or 3rd Gen. Intel® Core™ i3-3217UE (1.6 GHz)
<b>System Memory</b>	DDR3-1600 4 GB DRAM onboard
<b>Chipset</b>	Intel® QM77
<b>BIOS</b>	AMI UEFI BIOS with OA 3.0 built
<b>System I/O Outlet</b>	4 x 10/100/1000Mbps Ethernet (Intel® I210IT) 3 x isolated RS-232/422/485 1 x isolated CAN Bus 1 x isolated DI/DO (4-IN/4-OUT) 2 x USB 2.0 (rear side), 2 x USB 3.0 (front side) 1 x Audio (Mic-in/Line-out) (screw type) 1 x VGA, 1 x DVI-D 1 x VDC power input connector 1 x reset switch 1 x power switch 4 x antenna opening
<b>Watchdog Timer</b>	255 levels, 0 ~ 255 sec.
<b>Storage</b>	2 x 2.5" SATA HDD (Rem. and with lock protection) supports RAID 0/1, 1 x CFast™
<b>Expansion Interface</b>	3 x PCI Express Mini Card 1 x SIM card slot
<b>Power Supply</b>	14~32VDC, Typical 24VDC
<b>Power Consumption</b>	1.8A @ 24V
<b>Oper. Temperature</b>	-40°C ~ +70°C (-40°F ~ +158°F) W/T SSD -25°C ~ +55°C (-13°F ~ +131°F) W/T HDD
<b>Storage Temperature</b>	-40°C ~ +80°C (-40°F ~ +176°F)
<b>Humidity</b>	5% ~ 95%, non-condensing
<b>Vibration Endurance</b>	5 Grms w/ CFast (5-500Hz, X, Y, Z directions) 1 Grms w/ HDD (5-500Hz, X, Y, Z directions)
<b>Dimensions</b>	288 mm (11.33") (W) x 211 mm (8.3") (D) x 85.7 mm (3.37") (H)
<b>Weight (net/gross)</b>	5.5 kg (12.12 lb)/6.5 kg (14.33 lb)
<b>Certification</b>	CE (Class A), IEC60945 certificate, DNV2.4 comply, EN50155
<b>EOS Support</b>	WES 8, WES 7, Linux