

## Model Information



### ■ Features

- Intel Atom E3845 1.91GHz without fan, inkl. 4GB DDR3
- 1 x VGA / 1 x HDMI
- 2 x GigaLAN / 4 x USB 2.0 / 1 x USB 3.0
- 2x RS232, 2xRS232/422/485
- CFAST and SD Card Adapter
- 2 x Mini PCIe socket
- 12-24V DC
- HDD/SSD Space 2.5
- Dimensions 148 x 203 x 55mm

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# EmRunner 5508

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### ■ Overview

The rugged EmRunner 5508, powered by the latest Intel Atom E3845 Bay Trail processor, offers fanless and low power consumption design.

The EmRunner 5508 provides a rich variety of features, including DDR3 memory (max. 8GB), two Gigabit Ethernet LANs, VGA and HDMI port, 4 COM ports and 5 USB ports. On top of that, EmRunner 5508 has two miniPCIe card slots, supporting wireless or GPRS modules. Housed in a robust aluminium chassis, this systems fanless design offers noise-free, ultra reliable operating in the most demanding industrial environment.

### ■ System

#### CPU

Intel Atom Bay Trail E3845 Processor  
(2MB cache, 1.91GHz)

#### Memory

4GB DDR3 (8GB max.)  
2x 204-pin SoDIMM

#### I/O Interface Front

- HDD access/power/LAN status LEDs
- 2x GbE LAN ports (Realtek RTL8111F Chipset)
- 4x USB 2.0 and 1x USB 3.0 ports
- 1x DB15 VGA and 1 x HDMI port
- 2x DB9 serial port RS232
- 2x DB9 serial port RS232/422/485

## I/O Interface Rear

- 1x GPIO 2in/2out with terminal block
- 1x earphone-out
- 1x mic-in
- ATX power on/off and reset button
- 12-24V DC power input

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## ■ Storage

### HDD/SSD

1x 2.5" SATA HDD drive bay

### Flash

1x CFAST and 1x SD card socket

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## ■ Chassis

### Construction

Aluminium chassis with fanless design

### Expansion slot

2x miniPCIe for wireless/GPRS module

### Dimensions

203x 148x 55mm

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## ■ Power Requirements

### DC

12V - 24V DC on-board power support

### AC

19V, 60W external power adapter

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## ■ Power Consumption

### Full loading mode

ca. 21W

### Standby mode

ca. 7.5W

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## ■ Environment

### Operating Temp.

0°C - 60°C

### Storage Temp.

-20°C – 80°C

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## ■ Ordering Information

### Part number

212  
EmRunner 5508

### Packing list

EmRunner 5508 Embedded System  
(incl. CPU 1.8GHz, 2GB DDR3 RAM)  
Power supply  
Driver CD, English documentation  
1 x 2-pin apertable terminal block

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