

## Model Information



### ■ Features

- Intel Atom Z530P 1.6 GHz
- 533MHz FSB
- 512 MB DDR2 SDRAM
- Express Card 34 slot (USB interface)
- HD Audio, speaker and microphone
- HDD/SSD drive bay
- 2 x Giga LAN
- Digital and Analogue I/O
- Option: WLAN, Bluetooth, GPS, 3G/GSM
- Option: CAN Bus 1Mbit/s
- Option: powered over Ethernet PoE+, 802.3at

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# RISE 3300

Quick Link: | [Features](#) | [More Pictures](#) | [Overview](#) | [Chassis](#) | [Hardware](#) | [Memory](#) | [Video](#) | [Integrated Devices](#) | [Connectivity](#) | [Power supply](#) | [Environment](#) | [Supported OS](#) | [Ordering Information](#) |

### ■ More Pictures



Klick on the thumbnails for the large picture ...

[>Back to top](#)

### ■ Overview

The RISE series of DinRail-PC is designed for harsh industrial environments. It features fanless and cableless, low power consumption and operating over wide temperature ranges. Its reliable design allows to withstand mechanical vibrations, extremely hot or cold environments, power failures or environmental electrostatic discharges.

The RISE series has a modular and reliable design based on the newly emerged standard of Qseven core modules, which supports both Intel's Atom Z5xxP and Via's Nano/Eden high performance CPUs. The RISE series integrates a rich choice of connectivity devices, such as multiple LANs, USB and serial ports, VGA, digital I/O and optionally WLAN, Bluetooth, 3G/GPRS modems, CAN and POE+ to match different industrial application requests.

The option of CAN bus is realized in the [RISE 3310](#) model.

### ■ Chassis

<b>Construction</b>	Full size stainless steel Aluminum cooling plate with fins
<b>Mounting configuration</b>	DIN Rail
<b>Cooling system</b>	passive heatsink, fanless
<b>LED indicator</b>	Power on/off, HDD access, LAN access
<b>Expansion slot</b>	1 x Mini PCI Express, PCIe x1 USB signals 2.0 High Speed only

<b>Expansion slot</b>	1 x Express Card 34 USB 2.0 High Speed only
<b>Dimensions</b>	163 x 111 x 83 mm <sup>3</sup>
<b>Power switch</b>	Bottom side
<b>Reset Switch</b>	Bottom side

[>Back to top](#)

## ■ Hardware

<b>Processor</b>	Intel Atom Z530P @ 1.6GHz, 533MHz FSB
<b>Cores</b>	2 by Hyperthreading
<b>CPU socket</b>	Q7 module
<b>BIOS</b>	Phoenix - Award BIOS
<b>Chipset</b>	US15WP

[>Back to top](#)

## ■ Memory

<b>Memory type</b>	DDR2 512MB
<b>Memory socket</b>	soldered onto Q7 module
<b>BIOS</b>	8MBit SuperFlash

[>Back to top](#)

## ■ Video

<b>VGA Controller</b>	Graphics Memory Controller Hub integrated in US15W
<b>Video RAM</b>	up to 128MB frame buffer
<b>Interface</b>	VGA
<b>Resolution</b>	Up to 1280 × 1024 / 32bit
<b>Extras</b>	MPEG-2, MPEG-4, VC1, WMV9 and H.264 video decoding acceleration

[>Back to top](#)

## ■ Integrated Devices

<b>HDD/SSD Bay</b>	1 x 1.8" SATA HDD or SSD
<b>CF card slot</b>	1 x CF card in True IDE mode
<b>HD-Audio</b>	Mic-in 1 x Speaker-out
<b>Real Time clock</b>	Standard
<b>Keyboard/Mouse</b>	Connect at USB Internal pin header for PS/2 Keyboard and Mouse

[>Back to top](#)

## ■ Connectivity

<b>LAN</b>	2 x RJ45 GigaLAN (Marvell 88E8057) support PXE boot
<b>USB</b>	4 x USB 2.0, support boot function
<b>VGA</b>	1 x 15-pin connector
<b>Com Ports</b>	<ul style="list-style-type: none"> <li>• 2 x RS232 DB9 male, max. 115.200bps</li> <li>• 1 x RS232 DB9 male, max. 500.000bps</li> <li>• 1 x RS422/485 on terminal block</li> </ul>
<b>RS422/485</b>	<ul style="list-style-type: none"> <li>• Up to 1 Mbit/s (theor. 12 MBit/s).</li> <li>• RS422 Full-Duplex, RS485 bus mode configured by DIP switch.</li> <li>• RS485 Automatic Transceiver control.</li> </ul>

- Signals on Terminal Block.

## HD-Audio

Line-in (Mic-in)  
Line-out ear-jet connectors

## Digital I/O

Terminal Blocks on Top and Bottom side

- 4 x Output
- 4 x Input
- 2 x Counter
- 2 x ADC
- 1 x I<sup>2</sup>C

## CAN bus

CAN bus is realized in the [RISE 3310](#) model.

[>Back to top](#)

## ■ Power supply

### Power input

DC 10-30V

### Power consumption

min 17W

[>Back to top](#)

## ■ Environment

### Operating Temp.

-20° to +60°C

### Storage Temp.

-20° to +80°C

[>Back to top](#)

## ■ Supported OS

### Microsoft

Windows XP/XPE, Windows 7

### Linux

Kernel 2.4 / 2.6 / 3.x

[>Back to top](#)

## ■ Ordering Information

### Art.No

3880

### Product Name

RISE 3300

### Option CAN

CAN bus interface, replaces Com3  
See [RISE 3310](#) system

### Option PoE+

On Special Request:  
Alternative supply 25W Power over Ethernet  
By PoE+ 802.3at standard

### Option 1.1GHz

On Special Request:  
Processor Z510P @ 1.1GHz

### Option 1.33GHz

On Special Request:  
Processor Z520PT @ 1.33GHz

### Packing list

RISE 3300 Embedded System  
Terminal blocks for Digital-I/O and Power supply  
CD-ROM with English documentation, drivers and tools

[>Back to top](#)

# RISE 3300

[>Back](#)

