

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
- CAN Bus 1Mbit/s
- Option: WLAN, Bluetooth, GPS, 3G/GSM

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RISE 3310

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■ 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.

■ Chassis

Construction	Full size stainless steel Aluminum cooling plate with fins
Mounting configuration	DIN Rail
Cooling system	passive heatsink, fanless
LED indicator	Power on/off, HDD access, LAN access
Expansion slot	1 x Mini PCI Express, PCIe x1 USB signals 2.0 High Speed only
	1 x Express Card 34

Expansion slot	USB 2.0 High Speed only
Dimensions	163 x 111 x 83 mm ³
Power switch	Bottom side
Reset Switch	Bottom side

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■ Hardware

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

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■ Memory

Memory type	DDR2 512MB
Memory socket	soldered onto Q7 module
BIOS	8MBit SuperFlash

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■ Video

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

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■ Integrated Devices

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

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■ Connectivity

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

HD-Audio	Line-out ear-jet connectors
Digital I/O	Terminal Blocks on Top and Bottom side <ul style="list-style-type: none"> • 4 x Output • 4 x Input • 2 x Counter • 2 x ADC • 1 x I²C

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■ CAN interface

Speed	CAN High Speed (up to 1Mbit/s) for transmit/receive
Signals	CAN_H, CAN_L, CAN_GND
Controller	SJA1000 (Philips)
Transceiver	TJA1050 (Philips)
Standards	CAN 2.0A and 2.0B, ISO11898
CAN Listen mode	Passive receive of CAN Frames, neither ACK bits nor Error Frames
Connector	DB9 male
Library	Functions for simple access
CANFestival	CANopen examples showing Master/Slave communication

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■ Power supply

Power input	DC 10-30V
Power consumption	min 17W

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■ Environment

Operating Temp.	-20° to +60°C
Storage Temp.	-20° to +80°C

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■ Supported OS

Microsoft	Windows XP/XPE, Windows 7
Linux	Kernel 2.4 / 2.6 / 3.x

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■ Ordering Information

Art.No	3883
Product Name	RISE 3310
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 3310 Embedded System Terminal blocks for Digital-I/O and Power supply CD-ROM with English documentation, drivers and tools

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