JRex-VE

3.5" embedded line



VIA Eden Embedded System Platform

Cool
Low power and fanless VIA Eden™ 300/600 MHz

Storage
Up to 1 GByte SDRAM-DIMM

Money
Best price/performance ratio

Easy
Reduced time-to-market, plug-and-work

Product Overview

Each JRex is a member of the 3.5" board family. JRex modules are characterized by the same pinout and interface for 2xUSB, FAST LAN, Keyboard/Mouse-socket, CompactFlash™, VGA and COM1. This family feature allows to reuse chassis and maximizes design re-use.
This **JRex-VE** hosts a VIA Eden™ processor at 300 or 600 MHz. The boards performance is enhanced by up to 133 MHz FSB and UMDA-100 EIDE. A SDRAM-DIMM socket for up to 1 GByte allows the use of standard desktop memory and full ATX power supply is as well a standard feature.

These homogeneous features facilitate easy upgrades within the JRex product family. The graphic controller is included in the chipset, that performs with up to 32 MByte UMA. Connection of displays is simplified when using these units which are complete with a JILI-Interface (JUMPtec® Intelligent LVDS Interface). JILI automatically recognizes which display is connected and independently sets all video parameters. All JRex are plug-and-work enabled to further reduce time-to-market.
JRex...

...always a Jump ahead!

Technical Information

3.5" Single Board Computer
CPU:
VIA Eden™ 600 MHz, 133 MHz FSB, passive cooling VIA Eden™ 300 MHz, 66 MHz FSB, passive cooling
On chip grahics:
on VIA Twister™ T chipset, S3 Savage 4™ Engine, up to 32 MByte UMA Video RAM JILI-Interface for instant panel adaption VGA-Interface for CRT
SDRAM:
SDRAM-DIMM up to 1 GByte
CompactFlash™:
Type 1 Socket
Ethernet:
10/100 BaseT
HD/FD:
EIDE UMDA 100/ ✓
LPT:
✓
Keyboard/Mouse:
✓/✓
ATX feature button:
accessory

USB/RS232:
2x / 1x
Reset:
✓
LANBoot/DarkBoot:
✓/✓
USBBoot:
✓
Watchdog:
✓
JFlex™ extension:
✓
Dimensions:
102 x 147 mm
Power Supply:
ATX or AT power supply
Temperature (*)
operation: 0° to 60°C, storage: -10° to 85°C
Humidity
operation: 10% to 90%, storage: 5% to 95% (non condensing)
Plug´n Play compatible to any other JRex and therefore exchangeable

Ordering Information

Article	Part.-No.	Description
JRex-VE	02003-0000-66-1	VIA Eden™ processor with 600 MHz, 133 MHz FSB, passive cooling, ATX
JRex-VE	02003-0005-66-1	VIA Eden™ processor with 600 MHz, 133 MHz FSB, passive cooling, AT
JRex-VE	02003-0000-30-1	VIA Eden™ processor with 300 MHz, 66 MHz FSB, passive cooling, ATX
JRex-VE	02003-0005-30-1	VIA Eden™ processor with 300 MHz, 66 MHz FSB, passive cooling, AT
	common features:	VIA Twister™ T chipset, VGA/LCD on-chip, 10/100 Base-T, 1xCOM, 2xUSB, LPT, FDC, EIDE, JFLEX™ extension, SDRAM-DIMM-socket for up to 1 GByte, CompactFlash™ socket, JILI-Interface

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