

# ➤ JRex-VE

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VIA Eden Embedded System Platform



- **NEW - now with VIA C3 1.0 GHz**  
and PadLock™ Data Encryption Engine
- Low Power VIA Eden 600 MHz
- Lowest Power VIA Eden 300 MHz
- Best price/performance ratio
- 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 Reset, ATX feature, 2xUSB, FAST LAN, Keyboard/Mouse-socket, Compact-Flash™, VGA and COM1. This family feature allows to reuse chassis and maximizes design re-use.

This **JRex-VE** hosts a VIA C3 1.0 GHz or a VIA Eden processor at 300 or 600 MHz. The boards performance is enhanced by 133 MHz FSB and UMDA-100 EIDE. A SDRAM-DIMM socket for up to 512 MByte 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.

...always a Jump ahead!

## Technical Data

- **3.5" Single Board Computer**
- **CPU:** VIA C3 1.0 GHz, with PadLock™ Data Encryption Engine  
VIA Eden 600 MHz,  
VIA Eden 300 MHz,  
all @ 133 MHz FSB
- **On chip Graphics:** on VIA Twister™T chipset,  
up to 32 MByte UMA Video RAM  
JILI-Interface for instant panel adaption  
VGA-interface for CRT
- **SDRAM:** SDRAM-DIMM up to 512 MByte
- **CompactFlash:** Type 1 Socket
- **Ethernet:** 10/100 BaseT
- **HD/FD** EIDE UDMA 100 / ✓
- **LPT** ✓
- **Keyboard/Mouse** ✓
- **USB/RS232C** 2x / 1x
- **Reset** ✓
- **ATX feature button** ✓
- **LANBoot/DarkBoot** ✓/✓
- **Watchdog** ✓
- **Real Time Clock** ✓
- **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**

Article	Part.-No.	Description
JRex-VC	02003-0000-10-2	VIA C3 processor with 1.0 GHz, fan, ATX
JRex-VC	02003-0005-10-2	VIA C3 processor with 1.0 GHz, fan, AT
JRex-VE	02003-0000-66-1	VIA Eden processor with 600 MHz, passive cooling, ATX
JRex-VE	02003-0005-66-1	VIA Eden processor with 600 MHz, passive cooling, AT
JRex-VE	02003-0000-30-1	VIA Eden processor with 300 MHz, passive cooling, ATX
JRex-VE	02003-0005-30-1	VIA Eden processor with 300 MHz, passive cooling, AT
	common features:	VIA Twister™T chipset, VGA/LCD on-chip, 10/100Base-T, 1xCOM, 2xUSB, LPT, FDC, EIDE, JFLEX extension, SDRAM-DIMM-socket for up to 512 MByte, Compact-Flash™ socket, JILI-Interface

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