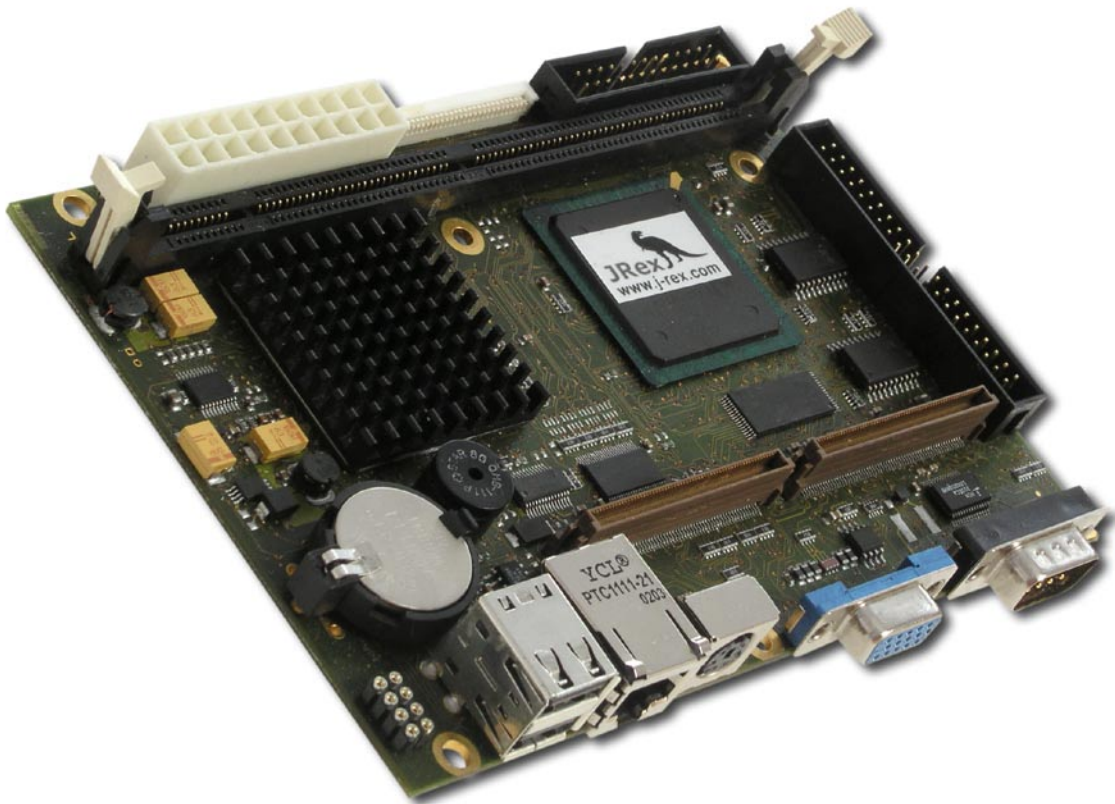


➤ JRex-GX1



- Communication and Visualisation onboard
- Embedded 300 MHz processor board
- Reduced time-to-market, plug-and-work
- Member of the JRex 3.5" board family

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-GX1 hosts a fanless National Geode™ GX1 CPU at 300MHz. A SDRAM-DIMM socket for up to 256 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. Connection of displays (18bit TFT) is simplified when using these units which are complete with a JILI-Interface (JUMPtéc® 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:** Geode™ GX1, fanless 300 MHz
- **on chip Graphics:** on CS5530 companion chip up to 4 MByte UMA Video RAM
JILI-Interface for instant panel adaption (18bit TFT)
VGA interface for CRT
- **SDRAM:** SDRAM-DIMM socket for up to 256 MByte
- **CompactFlash Socket** Type 1
- **10/ 100 BaseT Ethernet** ✓
- **EIDE harddisk interface** ✓
- **Floppy Disk interface** ✓
- **Printer interface** ✓

- **Keyboard/Mouse** ✓
- **RS232C** 1x
- **USB** 2x
- **Reset/ATX feature button** ✓
- **LANBoot** ✓
- **DarkBoot** ✓
- **Watchdog** ✓
- **Real Time Clock** ✓
- **JFLEX™ extension** ✓
- **Dimensions:** 102 x 147 mm
- **Power Supply:** ATX or AT power supply
- **Plug'n Play compatible to any other JRex and therefore exchangeable**
- **Temperature:** operation: 0° to 60°C
storage: -10° to 85°C
- **Humidity:** operation: 10% to 90%
storage: 5% to 95% (non condensing)

Article	Part.-No.	Description	
JRex-GX1	02001-0000-30-1	Geode™ GX1 Processor 300MHz, fanless, ATX	
JRex-GX1	02001-0005-30-1	Geode™ GX1 Processor 300MHz, fanless, AT	
	common features:	VGA/LCD (18-Bit TFT), 10/100Base-T, 1xCOM, 2xUSB, LPT, FDC, IDE. JFLEX extension. SDRAM-DIMM-socket. CompactFlash™ socket. JILI-Interface.	
Article	Part.-No.	Article	Part.-No.
Compact Flash cards	Optional	ADA-FLOPPY-2	96001-0000-00-0
KAB-JILI display cables	Optional	KAB-IDE-1	96022-0000-00-0
SDRAM-DIMM modules	Optional	KAB-DSUB25-1	96015-0000-00-0
JFLEX modules	Optional		

Corporate Offices

US/ Canada
6260 Sequence Drive
San Diego, CA 92121-4371

Europe, Middle East & Africa
Brunnwiesenstr. 16
DE-94469 Deggendorf

Asia Pacific
5F-1, 341, Sec 4, Chung Hsiao E.
Rd, Taipei, Taiwan

Tel.: (858) 677-0877
Fax: (858) 677-0898

Tel.: +49 991-37024-0
Fax: +49 991-37024-102

Tel: +886 2 2781 5791
Fax: +886 2 2741 7379

sales@us.kontron.com

sales-kem@kontron.com

sales@kontron.com.tw