

# ➤ JReX-C3



- The fastest fanless embedded 3.5" board
- Fanless Intel® Celeron® 300 MHz
- up to 512 MByte SDRAM, 32 MByte VRAM (UMA)
- 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-C3** hosts a fanless Intel® Celeron® III processor at 300MHz. 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:** Intel® Celeron®, fanless 300 MHz
- **on chip Graphics:** on VIA "TwisterT" chipset, up to 32 MByte UMA Video
- **RAM,** JILI-Interface for instant panel
- **CRT** adaption, VGA-interface for
- **SDRAM:** SDRAM-DIMM up to 512 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-C3                 | 02002-0000-30-1  | Ultra Low Power fanless Intel® Celeron® 300 MHz processor, ATX                                                                                                                   |                 |
| JRex-C3                 | 02002-0005-30-1  | Ultra Low Power fanless Intel® Celeron® 300 MHz processor, AT                                                                                                                    |                 |
|                         | common features: | VIA TwisterT chipset, VGA/LCD on-chip, 10/100Base-T, 1xCOM, 2xUSB, LPT, FDC, IDE, JFLEX extension. SDRAM-DIMM-socket for up to 512 MByte, Compact-Flash™ 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         |                                                                                                                                                                                  |                 |

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