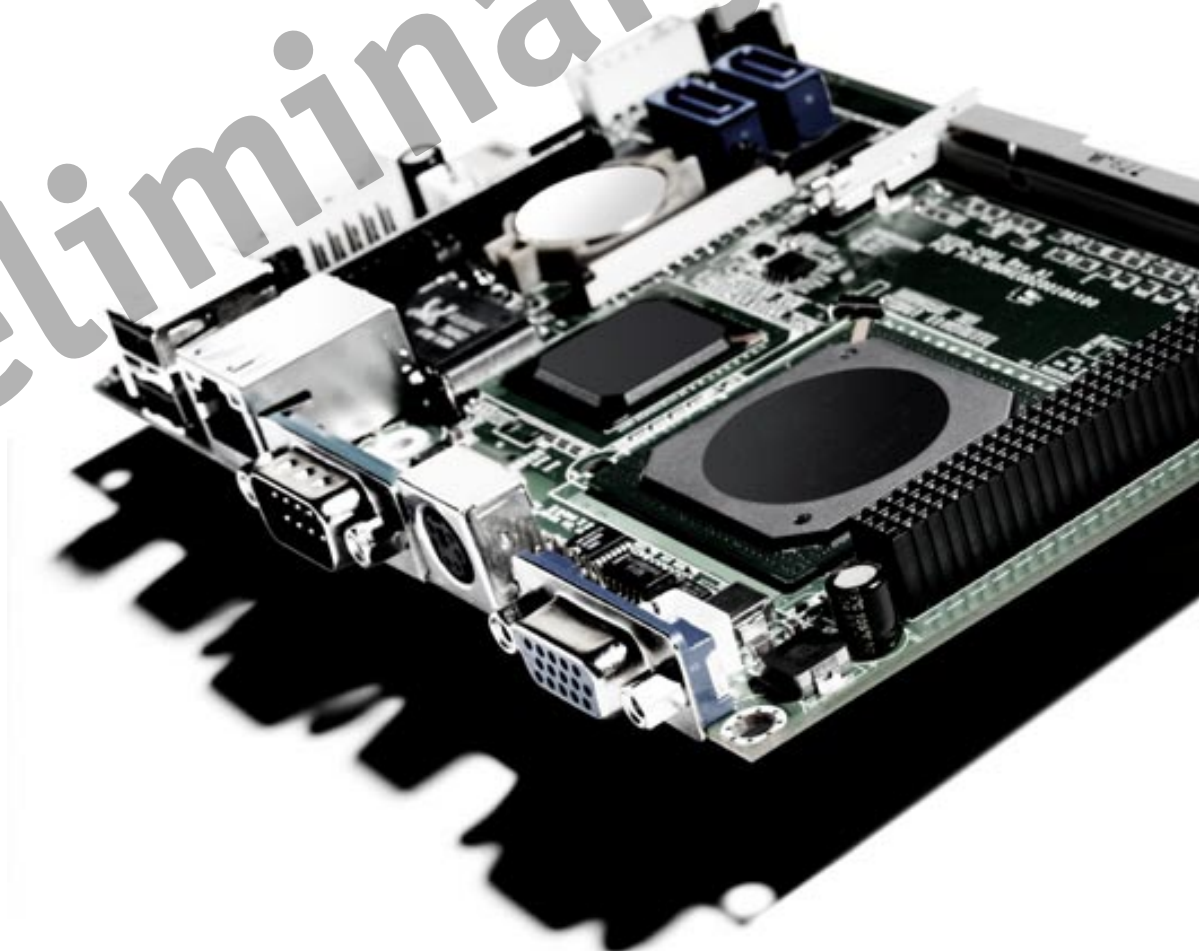


# ➤ JRexplus-LX

Preliminary



500 MHz @ 0.9W  
AMD processor

AMD



3.5" embedded line

## New

- AMD® Geode™ LX800 CPU
- **PCI-104™ bus compatible** expansion interface
- FULL Featured embedded SBC (USB, COM, LAN, SATA etc.)
- Low power consumption @ low cost
- Shortest Time to Market

## ➤ Product Overview

With the new **JRexplus** SBC series Kontron offers for the first time a 3.5" single board computer with a standardized **PCI-104™ bus compatible** expansion slot and PCI bus performance. The Kontron JRex family of 3.5" single board computers can therefore now be used with most of the currently available **PCI-104™ bus compatible** expansion cards. Compared to the classic PC/104 SBC format, users now benefit from 3.5" standard slots that are located in the same place on all JRexplus conform products. The first member of the **JRexplus** series is the 3.5" **JRexplus-LX** single board computer. It is equipped with the fanless AMD® Geode™ LX800 CPU for an excellent performance / energy

(approx. 7 Watt) ratio. Low power consumption in connection with lower heat dissipation is becoming increasingly important for industrial automation.

A new feature for the 3.5" JRex single board computer is support for two SATA interfaces for fast HDD access. 1 x PATA is also possible. A Gbit Ethernet interface is also available for the first time. The **JRexplus-LX** SBC also comes with 4x USB 2.0 and 2x RS232 interfaces as well as 1x LPT, Floppy and PS/2 Mouse. 4 x GPIO and a CF card on the back side round off the list of interfaces. Additional I/O devices are implemented via the cable-free **PCI-104™ bus compatible** slot with PCI performance. The SODIMM slot supports up to 1 GB DDR RAM.

## ➤ Technical Information

<b>Processor</b>	AMD® Geode™ LX800@0,9W 500MHz
<b>Chipset</b>	AMD® CS5536
<b>Memory</b>	1 SO-DIMM DDR Socket up to 1GB
<b>Graphic</b>	Integrated LX800 Graphics LCD: 1x Single Channel 24Bit LVDS, 1x 18Bit TTL CRT up to 1920x1444 Dual channel LVDS 18 Bit via JILI30
<b>I/O Features (legacy freeBIOS)</b>	1 PATA EIDE, 44 pin header 2 SATA 4 USB 2.0 ports (Two internal on 2x5 pin header, two on front panel) 2 RS 232 ports / 1 RS 485 (1 on DSUB9, one on 10 pin header) 1 LPT (parallel) port 1 Floppy port (slim line flat foil connector) 4 GPIO In / 4 Out PS2 mouse /KB CF-Card Socket

<b>Ethernet</b>	10/100/1000 MBit LAN controller Realtec 8100
<b>Expansion Port</b>	PCI-104™ bus compatible expansion interface
<b>Form Factor</b>	3,5" 146mm x 102mm
<b>Power &amp; Thermal</b>	7W low power consumption Environment Temp 0 - 60 °C
<b>Power Supply</b>	AT / ATX
<b>Software Support</b>	Windows XP, XPe, CE, Linux
<b>Availability</b>	Q1/2008

## ➤ Ordering Information

Article	Part.-No.	Description
JRexplus-LX	02006-0000-50-0	3.5" Single Board Computer with AMD® Geode™ LX800 low power CPU

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