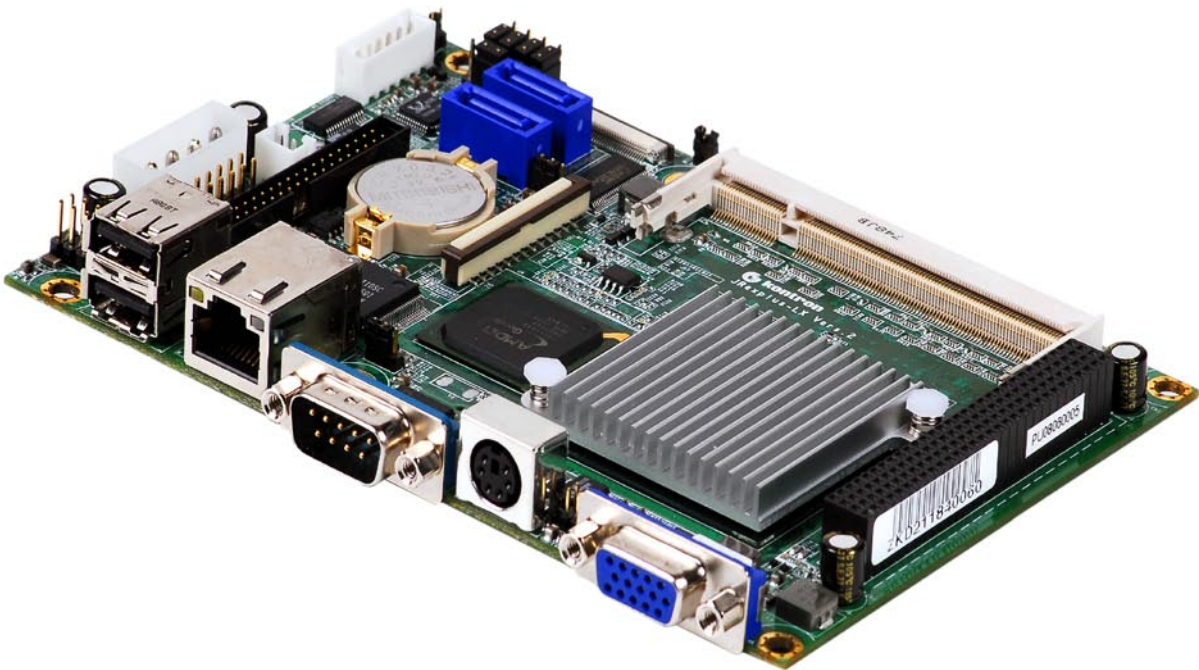


» JRexplus-LX «



3.5" embedded line

3.5" SBC with PCI-104™ compatible expansion port

- » AMD® Geode™ LX800 CPU
- » 4x USB2.0, Gbit LAN, 2x SATA
- » Legacy interfaces (LPT, FDD, COM)
- » Low power consumption @ low cost
- » Shortest Time to Market

JRExplus-LX

3.5" SBC with PCI-104™ compatible expansion port

The JRExplus-LX 3,5" single board computer features a standardized PCI-104™ bus compatible expansion slot, opening the world of PCI-104 connectivity solutions. As one of the most efficient members of the JRExplus series, the 3.5" JRExplus-LX single board computer is equipped with the fanless AMD® Geode™ LX800 CPU for an excellent performance / energy (approx. 7 Watt) ratio. Low power consumption and therefore lower heat dissipation is a high demand for industrial automation.

Main features for the JREx 3,5" product family are 2 SATA II ports for fast HDD access and 10/100/1000 MBit LAN. The JRExplus-LX also supports 1 PATA (IDE) interface, 4 USB 2.0 and legacy interfaces like 2x RS232, 1x LPT, Floppy and PS2 mouse / KB. 4 x GPIO and a CF card socket on the bottom side round off the list of interfaces. Additional I/O devices are implemented via the cable-free PCI-104™ bus compatible slot. Up to 1GB DDR-RAM in SO-DIMM are supported.

Technical Information

Processor	AMD® Geode™ LX800@0,9W 500MHz
Chipset	AMD® CS5536
Memory	1 SO-DIMM DDR Socket up to 1GB
Graphic	Integrated LX800 Graphics
I/O Features (legacy freeBIOS)	1x 18Bit TTL, CRT up to 1920 x 1444, LCD: 1x Single Channel 18/24Bit LVDS via JILI30 (optional) 1 PATA EIDE, 44 pin header, 2 SATA (Raid 0, 1, 0 + 1 capable) 4 USB 2.0 ports (Two internal on 2x5 pin header, two on front panel) with legacy support 1 LPT (parallel) port, 1 Floppy port (slim line flat foil connector) 4 GPIO In / 4 Out, PS2 mouse / Keyboard, CF-Card Socket, AC'97
2 x COM	1 RS 232 (DSUB9) 1 RS 232/422/485 (10 pin header)
Ethernet	10/100/1000 MBit LAN controller Realtek 8110
Expansion Port	PC-104™ bus compatible expansion interface
Form Factor	102 x 147 mm, 3.5" Single Board Computer
Power Supply / Consumption	7W low power consumption, AT/ATX
Temperature	Operating: 0° – 60 °C
Software Support	Windows® XP, XPe, CE, Linux

Ordering Information

Article	Part.-No.	Description
JRExplus-LX	02006-0000-50-0	3.5" SBC with AMD® Geode™ LX800 low power CPU (24 Bit LVDS support)
JRExplus-LX	02006-0000-50-1	3.5" SBC with AMD® Geode™ LX800 low power CPU (18 Bit LVDS support)
DDR-SDRAM-SODIMM 256MB	97007-2560-00-0	DDR-SDRAM SODIMM PC2700 memory module with 256 MByte
DDR-SDRAM-SODIMM 512MB	97007-5120-00-0	DDR-SDRAM SODIMM PC2700 memory module with 512 MByte
DDR-SDRAM-SODIMM 1GB	97007-1024-00-0	DDR-SDRAM SODIMM PC2700 memory module with 1 GByte

CORPORATE OFFICES

Europe, Middle East & Africa

Oskar-von-Miller-Str. 1
85386 Eching/Munich
Germany
Tel.: +49 (0)8165/ 77 777
Fax: +49 (0)8165/ 77 279
info@kontron.com

North America

14118 Stowe Drive
Poway, CA 92064-7147
USA
Tel.: +1 888 294 4558
Fax: +1 858 677 0898
info@us.kontron.com

Asia Pacific

17 Building, Block #1, ABP.
188 Southern West 4th Ring Road
Beijing 100070, P.R.China
Tel.: + 86 10 63751188
Fax: + 86 10 83682438
info@kontron.cn

