

➤ JRexplus-690



AMD



3.5" embedded line

- AMD® Turion™ 64 mobile CPU / AMD® Sempron™ mobile CPU
- **PCI-104™ bus compatible** expansion interface
- FULL featured embedded SBC (USB, COM, 2xLAN, 2xSATA, etc.)
- High Performance and 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 interface. The Kontron JRex family of 3.5" single board computers can therefore now be used with most of the currently available **PCI-104™ expansion** cards.

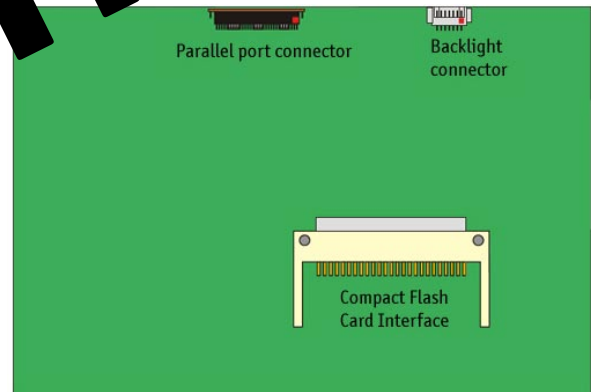
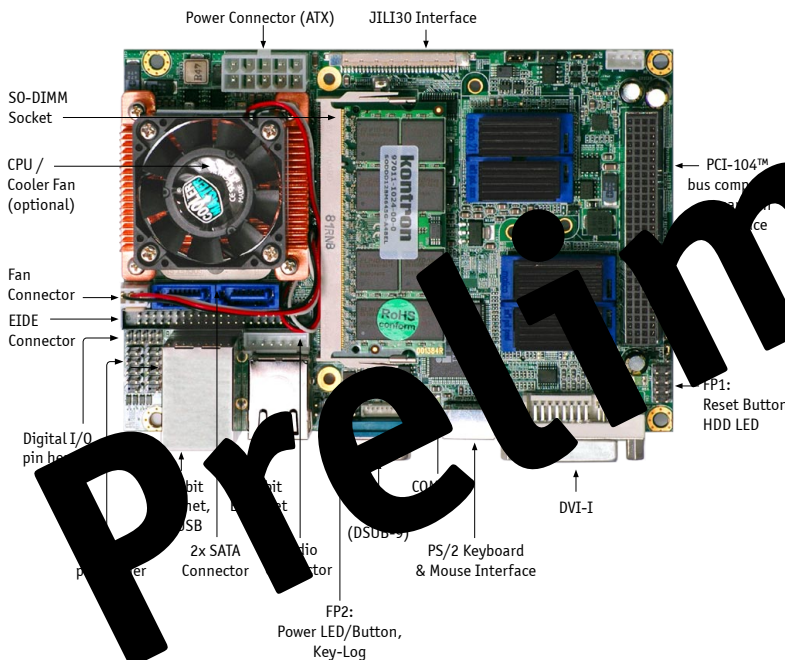
Compared to the classic PC/104 SBC format, users now benefit from the 3.5" standard front end connectors defined on all JRexplus conform products and a **PCI-104™ expansion** port. The new member of the JRexplus series is the 3.5" **JRexplus-690** single board computer.

It is equipped with the AMD® Turion™ 64 mobile Processor for an excellent performance / energy ratio. New features for the JRex 3,5" Product family are 2 SATA II ports for fast HDD access and dual 10/100/1000 MBit LAN.

The **JRexplus-690** still supports 1 PATA (IDE) interface, 6 USB 2.0 and legacy interfaces like 2 xRS232, 1x LPT and PS2 mouse / KB. 4 x GPIO and a CF card socket on the bottom side round off the list of interfaces. Add on I/O devices can be adapted via **PCI-104™ bus compatible** expansion slot with 32Bit / 33MHz PCI performance.

Technical Information

Processor	AMD® Turion™ 64 mobile CPU / AMD® Sempron™ mobile CPU
Chipset	AMD® M690E + SB600
Memory	1 SO-DIMM Socket up to 2GB DDR2 Memory
Graphic	Integrated ATI™ graphics Dual independent display support Resolution up to 2048x1536 Dual Channel LVDS 18/24 Bit via J1L130
I/O Features (legacy freeBIOS)	1 PATA 133 EIDE, 44 pin header up to UDMA6 2 SATA II ports 300MB/s Raid 0,1 6 USB 2.0 ports (4 internal on 2x5 pin header, 2 on front panel) 2 RS 232 ports (1 on DSUB9, one on 10 pin header) 1 LPT (parallel) port 4 GPIO TTL PS2 mouse /KB-M72
Ethernet	2x 10/100/1000 MBit LAN controller Realtek 8111C
Expansion Port	PCI-104™ bus compatible expansion interface
Form Factor	3,5" 146mm x 102mm
Power Supply	ATX power supply
Temperature	tbd
Software Support	Windows Vistaxp, XP, Linux
Availability	Q1 2008



Bottom View

Ordering Information

Article	Part.-No.	Description
JRexplus-690 1 GHz	02007-0000-10-1	3.5" Single Board Computer with AMD® Sempron™ 2100+ 1,0 GHz
JRexplus-690 1,8 GHz	02007-0000-18-0	3.5" Single Board Computer with AMD® Turion™ 64 X2 TL-56 1,8 GHz



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