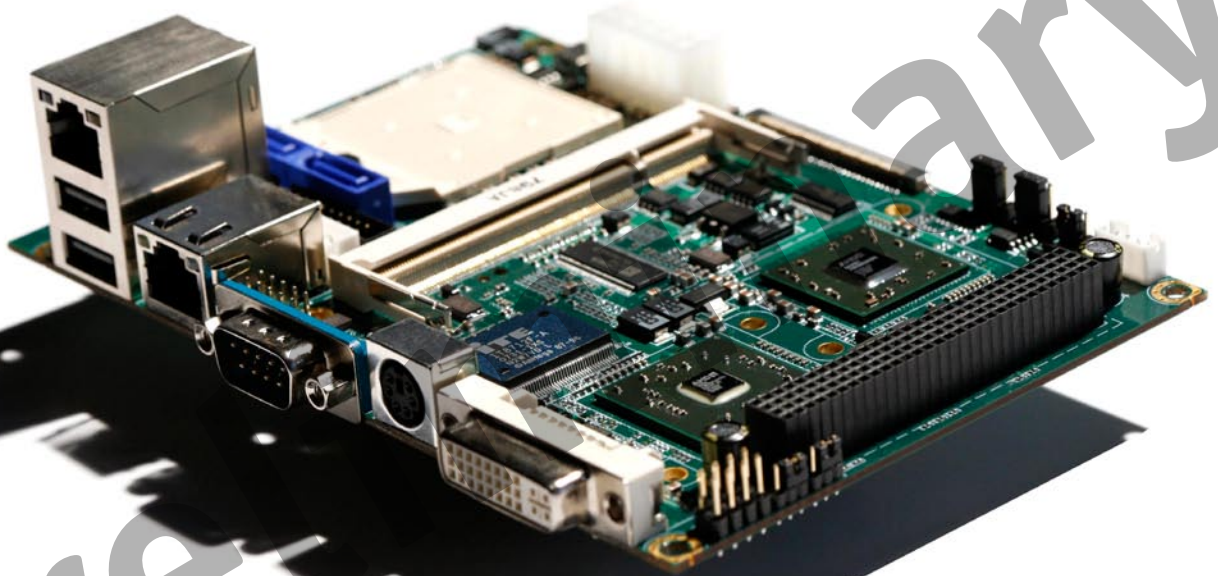


# ➤ JReXplus-690



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, Floppy 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

<b>Processor</b>	AMD® Turion™ 64 mobile CPU / AMD® Sempron™ mobile CPU
<b>Chipset</b>	AMD® M690E + SB600
<b>Memory</b>	1 SO-DIMM Socket up to 2GB DDR2 Memory
<b>Graphic</b>	Integrated ATI™ graphics Dual independent display support Resolution up to 2048x1536 Dual Channel LVDS 18/24 Bit via JIL130
<b>I/O Features (legacy freeBIOS)</b>	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 1 Floppy port (slim line flat foil connector) 4 GPIO TTL PS2 mouse /KB-M72

<b>Ethernet</b>	2x 10/100/1000 MBit LAN controller Realtek 8111C
<b>Expansion Port</b>	PCI-104™ bus compatible expansion interface
<b>Form Factor</b>	3,5" 146mm x 102mm
<b>Power &amp; Thermal</b>	tbd
<b>Power Supply</b>	ATX power supply
<b>Software Support</b>	Windows Vista, XP, XPe, CE, Linux
<b>Availability</b>	Q2/2008

## ► Ordering Information

Article	Part.-No.	Description
<b>JRexplus-690</b>	tbd	tbd

## ► 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/ 77 219  
sales@kontron.com

### North America

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

### Asia Pacific

4F, No. 415, Ti-Ding Blvd.  
Sec.2, NeiHu District  
Taipei Taiwan 114  
Tel.: +886-2-2799-2789  
Fax: +886-2-2799-7399  
sales@kontron.com.tw

### Kontron Embedded Modules GmbH

Hamburger Straße 181  
22083 Hamburg  
Germany  
Tel.: +49(40)200090-0  
Fax: +49(40)200090-10  
sales-graphic@kontron.com