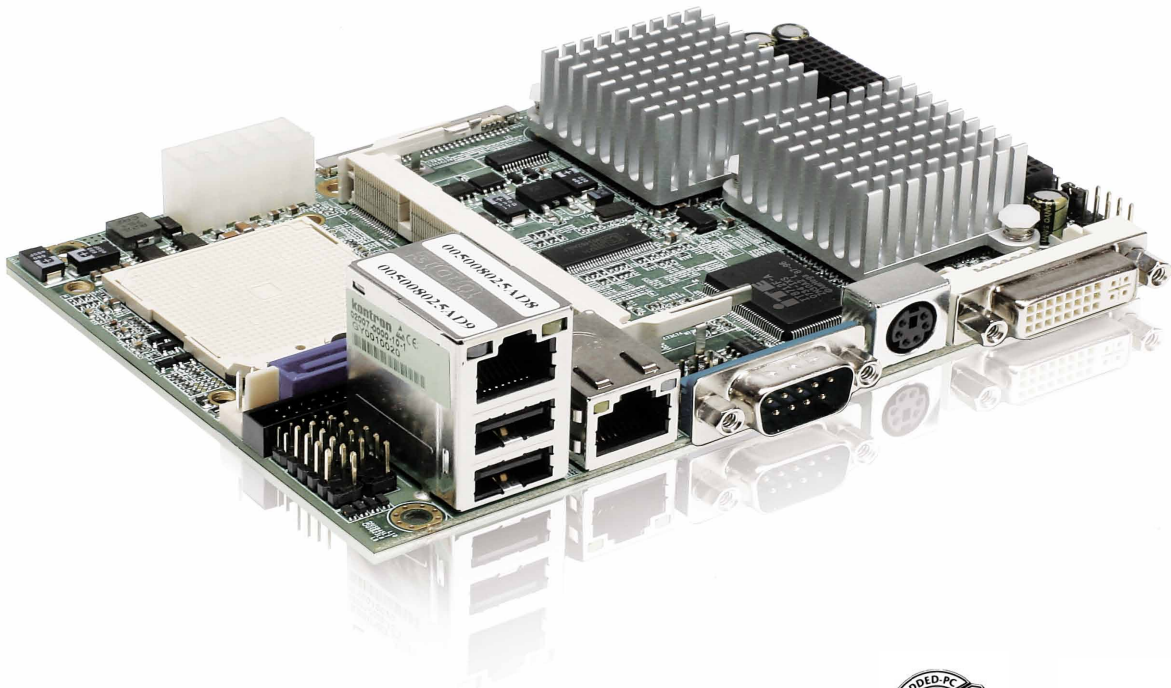


» JRexplus-690 «



3.5" embedded line

3.5" SBC with PCI-104™ compatible expansion port

- » AMD® Sempron™/Turion™ 64 mobile CPU
- » 6x USB 2.0, 2x LAN, 2x SATA
- » Legacy interfaces (PS/2, LPT, COM)
- » High performance ATI™ graphics
- » DVI, CRT and JILI30 LVDS interface
- » Shortest Time to Market

JRexplus-690

3.5" SBC with PCI-104™ compatible expansion port

With the new JRexplus SBC series Kontron offers 3.5" single board computers with a standardized PCI-104™ bus compatible expansion interface. Compared to the classic PC/104 SBC format, users benefit from the 3.5" standard front end connectors defined on all JRexplus conform products and a PCI-104™ expansion port, opening the world of PCI-104™ connectivity solutions. One of the most powerful members of the JRexplus series is the 3.5" JRexplus-690 single board computer. It is equipped with the AMD® Sempron™ or 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 also 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. Additional I/O devices can be adapted via the PCI-104™ bus compatible expansion slot.

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 JILI30, DVI-I (digital/analog)
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 /Keyboard
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	Operating: 0° to 55° C
Software Support	Windows Vista, XP, XPe, CE, Linux

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

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



#JRexplus-690# 07292009PDL
All data is for information purposes only and not guaranteed for legal purposes. Subject to change without notice. Information in this datasheet has been carefully checked and is believed to be accurate; however, no responsibility is assumed for inaccuracies. All brand or product names are trademarks or registered trademarks of their respective owners.