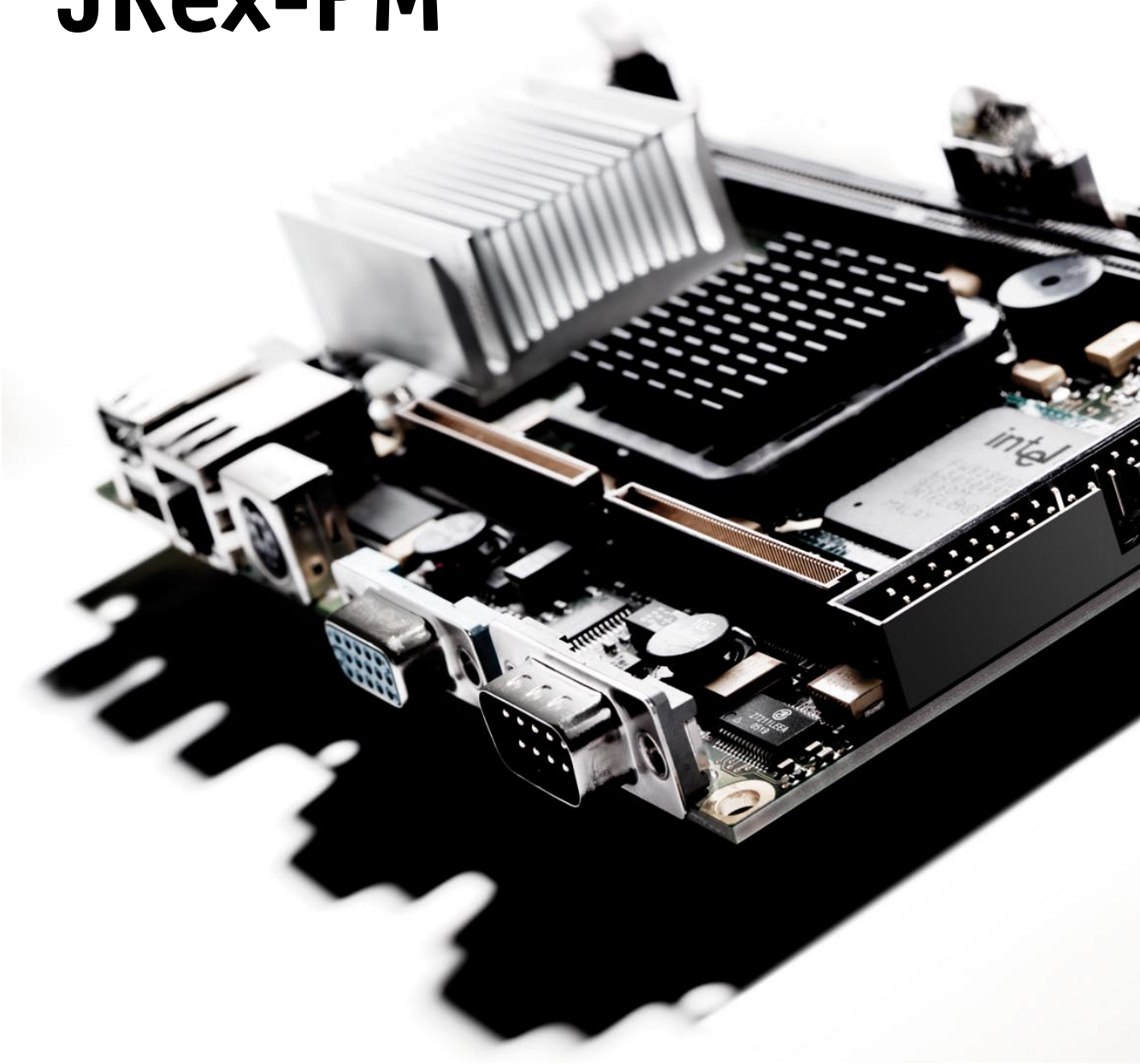
JRex-PM



READY FOR Microsoft Windows CE

powered by Intel® Pentium® M

intel Embedded and Communications Alliance Premier

3.5" embedded line

- Intel® Pentium® M up to 1.8 GHz, 852GM/855GME chipset
- New - Price breaking version with Intel® processor 600 MHz
- Fastest embedded performance @ low power consumption

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Product Overview

Each **JRex** is a member of the 3.5" board family. JRex modules are characterized by the same pinout and interface for 2x USB 2.0, FAST LAN, Keyboard/Mouse-socket, Compact-Flash™, VGA and COM1. This family feature allows to reuse chassis and maximizes design re-use. This **JRex-PM** hosts an Intel® Pentium® M or Celeron® M processor. A DDR-RAM-DIMM socket for up to 1 GByte allows the use of standard desktop memory and full ATX power supply is as well a standard feature. These homogeneous features facilitate easy upgrades within the JRex product family. The graphic controller is included in the chipset, that performs with up to 2x 32 MByte UMA. Connection of displays is simplified when using these units which are complete with a JILI-Interface (JUMPtec® Intelligent LVDS Interface). JILI automatically recognizes which display is connected and independently sets all video parameters. All JRex are plug-and-work enabled to further reduce time-to-market.

Technical Information

3.5" Single Board Computer	✓
CPU	Intel® processor from 600 MHz up to 1.8 GHz
Chipset	Intel® 852GM/855 GME, ICH4
Chipset features	400 MHz FSB, up to 1 GByte DDR 266/200 integrated USB 2.0, integrated CRT/LCD
On chip Graphics	Intel® Extreme Graphics 2, up to 32 MByte UMA VRAM, DVO, LVDS, CRT, Image Rotation, Dual Independent Display
RAM	DDR-SDRAM
CompactFlash Socket	Type 1
LAN	10/100 BaseT Ethernet
EIDE Harddisk Interface	✓, UDMA-100
Floppy Disk Interface	✓
Printer Interface	✓
RS232C	2x
Keyboard/Mouse	✓/✓

COM	1x RS232, 1x TTL
USB 2.0	2x
LAN/USB Boot	✓/✓
DarkBoot	✓
Watchdog	✓
HW monitor	✓
Real Time Clock	✓
JFlex™ extension	✓
Dimensions	102 x 147 mm
Power Supply	ATX or 5V power supply
Plug´n Play compatible to any other JRex and therefore exchangeable	✓
Reset/ATX feature buttom	accessory
Temperature (*)	Operation: 0° to 60° C (with appropriate airflow) Storage: -10° to 85° C

(*) Ask about wider temperature ranges

Ordering Information

Article	Part.-No.	Description
JRex-PM	02004-0005-06-4	Intel® Celeron® M (BANIAS) ULV CPU with 600 MHz and 512 KB Cache
JRex-PM	02004-0000-08-2	Intel® Processor 800MHz 0KB L2 cache, FANLESS, ATX
JRex-PM	02004-0005-08-2	Intel® Processor 800MHz 0KB L2 cache, FANLESS, 5V
JRex-PM	02004-0000-18-2	Intel® Pentium® M processor 745 with 1.8GHz, 2MB L2, fan, ATX
JRex-PM	02004-0005-18-2	Intel® Pentium® M processor 745 with 1.8GHz, 2MB L2, fan, 5V
KAB-SBC-SET1	96002-0000-00-1	cable set for any SBC: PS/2 keyboard, IDE, printer, one serial port, PS/2 mouse, 10/100 LAN, USB and floppy adapter

Corporate Offices

Europe, Middle East & Africa
Kontron AG
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
Kontron America Corporate Office
14118 Stowe Drive
Poway, CA 92064-7147
USA
Tel.: +1 888 294 4558
Fax: +1 858 677 0898
sales@us.kontron.com

Asia Pacific
Kontron Asia Inc.
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
Flatpanel Solutions
Marschnerstieg 7
22081 Hamburg
Germany
Tel.: +49(40)200090-0
Fax: +49(40)200090-10
sales-graphic@kontron.com

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