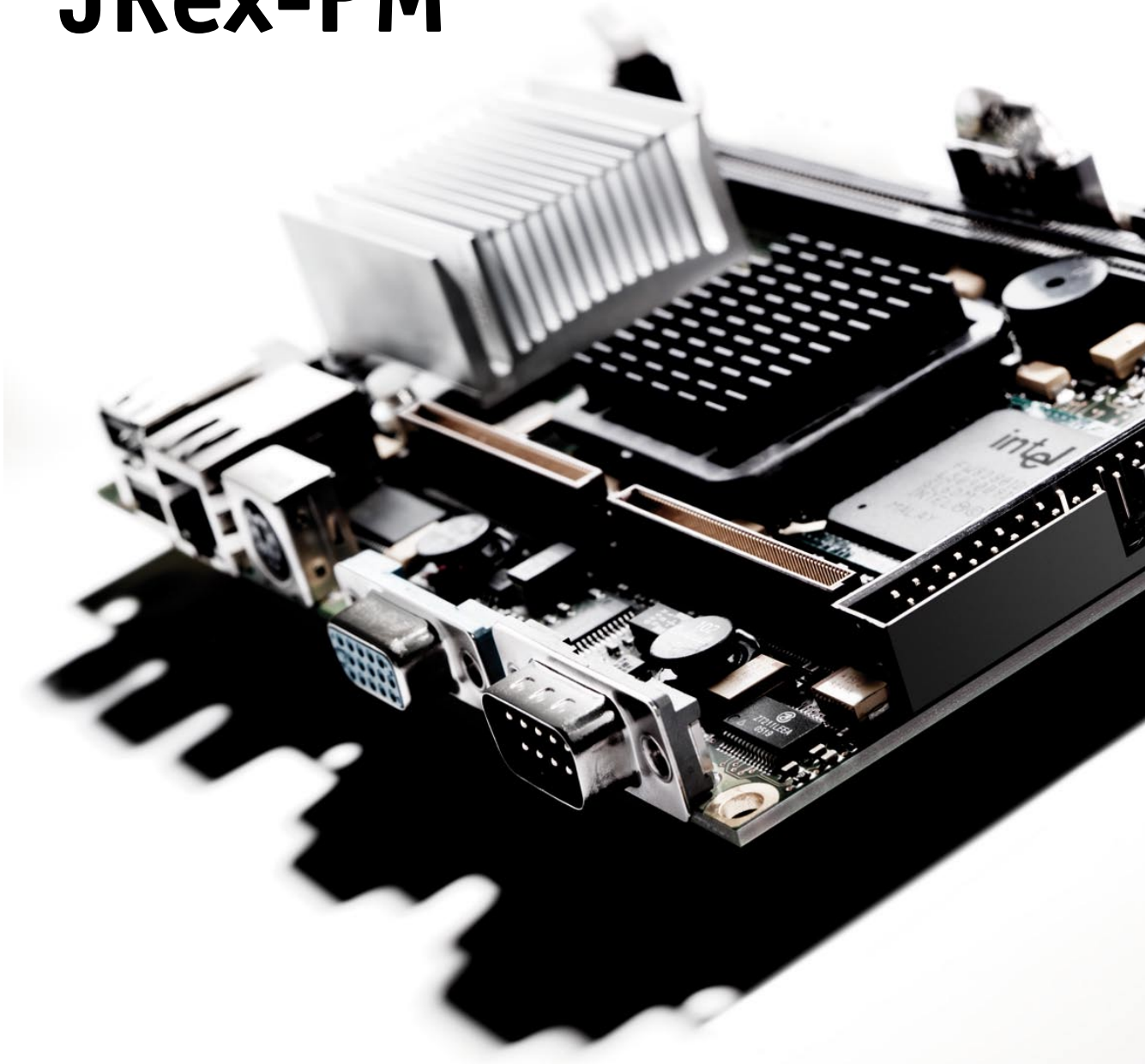




# JRex-PM



powered by  
**Intel® Pentium® M**



**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

## ► 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 chip-set, 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 button	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

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