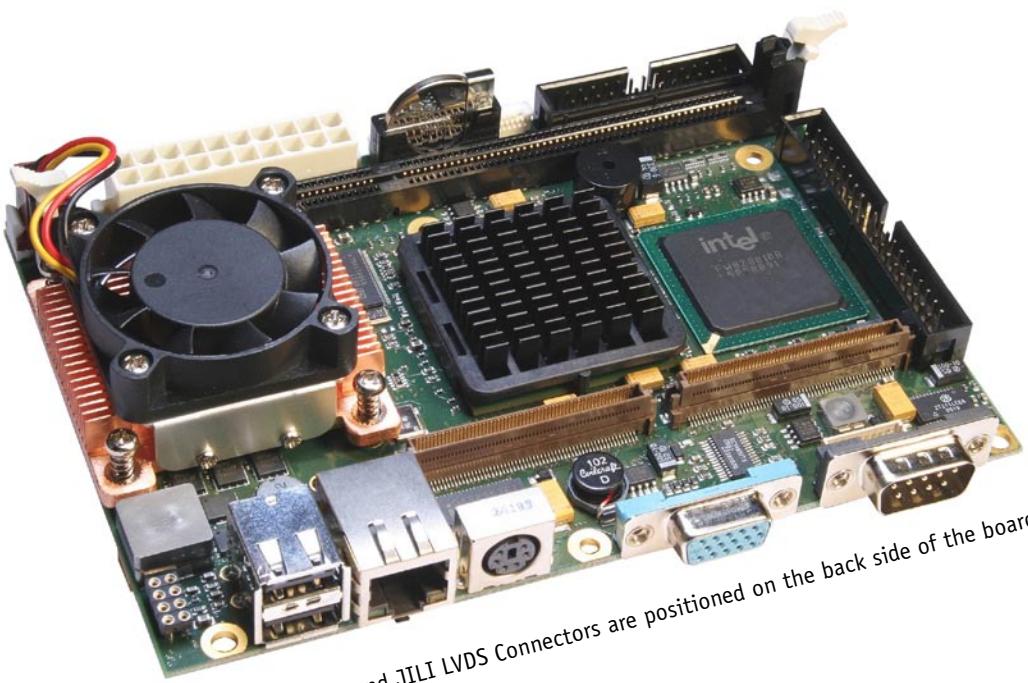


# » J Rex-PM «



Compact Flash™ and JILI LVDS Connectors are positioned on the back side of the board

powered by  
Intel® Pentium® M

3.5" embedded line



## 3,5" SBC with Intel® Pentium® M up to 1.8 GHz

- » Intel® 852GM/855GME chipset
- » Budget version with 600MHz available
- » USB2.0 and Fast Ethernet
- » 2x JFlex™ extension Port
- » Excellent price / performance ratio
- » Shortest time to market

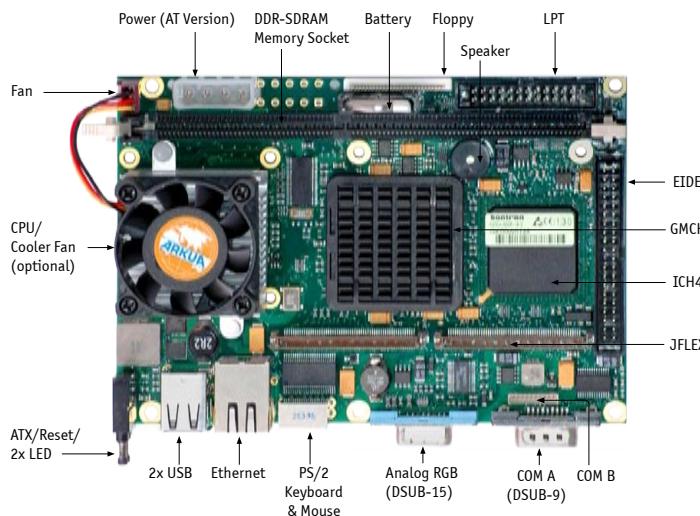
# JReX-PM

## 3,5" SBC with Intel® Pentium® M up to 1.8 GHz

Each JReX is a member of the Kontron 3.5" board family. JReX boards offer a minimum feature set of 2x USB 2.0, FAST LAN, Keyboard/Mouse-socket, Compact-Flash™, VGA and COM1.

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 ATX power supply.

The integrated Intel® Extreme Graphics 2 controller accesses up to 32 MByte UMA. Connection of displays is simplified by using the implemented JILI-Interface (JUMPTec® Intelligent LVDS Interface). JILI automatically recognizes which display is connected and independently sets all video parameters. Two JFlex™ Extension ports offer various expansion possibilities like additional LAN, CAN, GPIO, MiniPCI etc. The JReX-PM is plug-and-work enabled to further reduce timeto-market.



### Technical Information

<b>Processor</b>	Intel® processor from 600 MHz up to 1.8 GHz
<b>Chipset</b>	Intel® 852GM/855 GME, ICH4
<b>Chipset features</b>	400 MHz FSB, up to 1 GByte DDR 266/200 integrated USB 2.0, integrated CRT/LCD
<b>Memory</b>	DDR-SDRAM Socket up to 1GByte
<b>Graphic</b>	Intel® Extreme Graphics 2, up to 32 MByte UMA VRAM, DVO, LVDS, CRT, Image Rotation, Dual Independent Display
<b>I/O Features</b>	1 x EIDE Harddisk Interface, UDMA-100 1 x Compact Flash Socket Type 1 1 x CRT (Analog RGB, DSUB-15) 2 x JFlex™ Extension 1 x Floppy Disk Interface 1 x LPT (Parallel Port) 1 x RS 232 (DSUB-9), 1 x TTL, (pin header) PS/2 Mouse & Keyboard 2 x USB 2.0
<b>Ethernet</b>	10/100 BaseT Ethernet
<b>Form Factor</b>	102 x 147 mm, 3.5" Single Board Computer
<b>Common Features</b>	LAN/USB Boot, DarkBoot, Watchdog, HW Monitor, Real Time Clock, Reset/ATX Feature button
<b>Power Supply</b>	5V power supply
<b>Temperature (*)</b>	Operation: 0° to 60° C (w. appropriate airflow) Storage: -10° to 85° C
<b>More Features</b>	Second LAN via JFLEX™-LAN optional. Plug'n Play compatible to any other JReX and therefore exchangeable

(\*) Ask about extended temperature ranges

### Ordering Information

Article	Part.-No.	Description
JReX-PM	02004-0005-06-4	Intel® Celeron® M (Banias) ULV CPU with 600 MHz, 512KB L2 cache, 852GME chipset, fanless, 5V
JReX-PM	02004-0005-10-2	Intel® ULV Celeron® M 373 with 1.0 GHz (Dothan), 512KB L2 cache, 855GME chipset, 5V
JReX-PM	02004-0005-18-2	Intel® Pentium® M processor 745 with 1.8GHz, 2MB L2 cache, 855GME chipset, fan, ATX
KAB-SBC-SET1	96002-0000-00-1	Cable set for any SBC: PS/2 keyboard, IDE, one serial port, PS/2 mouse, 10/100 LAN and USB
JFLEX™-LAN	02081-0002-00-1	Second LAN extension board for 3.5" JReX-PM with 10/100 Mbit Ethernet LAN (DAVICOM 9102A Ethernet Controller) and 2 x USB 2.0

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