



JRex-PM

3.5" embedded line 



Intel®
Communications
Alliance
Associate Member
SILVER



powered by
Intel® Pentium® M

Intel® PRO
Network Connections

- Intel® Pentium® M 1.1/1.6/1.8 GHz, 855GM chipset
- Intel® ULV Celeron® M 1.0 GHz
- First to market on 3.5" SBC
- Fastest embedded performance



► Product Overview

Each **JREx** is a member of the 3.5" board family. JREx modules are characterized by the same pinout and interface for 2xUSB, 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 a Intel® Pentium® M processor at 1.1, 1.6 or 1.8 GHz. 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 32 MByte UMA. Connection of displays is simplified when using these units which are complete with a JILI-Interface (JUMPtect® 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.

...always a Jump ahead!

► Technical Data

► 3.5" Single Board Computer

- **CPU:** Intel® Mobile Celeron® 600 MHz
Intel® ULV Celeron® M, 1.0 GHZ
Intel® Pentium® M,
1.1/1.6/1.8 GHz
- **Chipset:** Intel® 855GM/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-RAM-DIMM with ECC support
- **CompactFlash Socket** Type 1
- **10/100 BaseT Ethernet** ✓
- **EIDE harddisk interface** ✓, UDMA-100
- **Floppy Disk interface** ✓

- **Printer interface** ✓
- **Keyboard/Mouse** ✓
- **RS232C** 1x
- **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
storage: -10° to 85°C
- **Humidity:** operation: 10% to 90%
storage: 5% to 95%

► Ordering Information

Article	Part.-No.	Description	Article	Part.-No.	Description
JREx-PM	02004-0000-06-1	Intel® Mobile Celeron® 600 MHz, ATX, OKB L2, fanless	JREx-PM	02004-0000-16-1	Intel® Pentium® M processor with 1.1 GHz, fan, ATX, 1 MB L2
JREx-PM	02004-0005-06-1	Intel® Mobile Celeron® 600 MHz, 5V, OKB L2, fanless	JREx-PM	02004-0005-11-1	Intel® Pentium® M processor with 1.1 GHz, fan, 5V, 1 MB L2
JREx-PM	02004-0000-10-2	Intel® ULV Celeron® M processor 373 with 1.0 GHz (DOTHAN Core), ATX, 512 KB L2	JREx-PM	02004-0005-16-1	Intel® Pentium® M processor with 1.6 GHz, fan, 5V, 1 MB L2
JREx-PM	02004-0005-10-2	Intel® ULV Celeron® M processor 373 with 1.0 GHz (DOTHAN Core), 5V, 512 KB L2	JREx-PM	02004-0000-18-2	Intel® Pentium® M processor 745 with 1.8 GHz (DOTHAN Core), ATX, 2 MB L2
JREx-PM	02004-0000-11-1	Intel® Pentium® M processor with 1.1 GHz, fan, ATX, 1 MB L2	JREx-PM	02004-0005-18-2	Intel® Pentium® M processor 745 with 1.8 GHz (DOTHAN Core), 5V, 2 MB L2
	common features:	Intel® 855GM chipset, VGA/LCD on-chip, 10/100Base-T, 1xCOM, 2xUSB, LPT, IDE, JFLEX extension. DDR-RAM-DIMM-socket, Compact-Flash™ socket. CRT and JILI-Panel-Interface			

► Corporate Offices

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