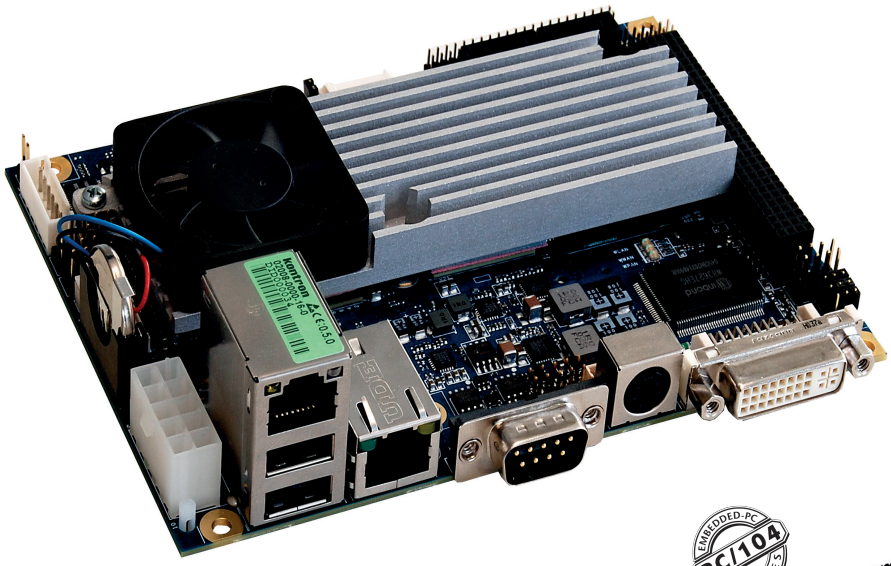
kontron

» JRexplus-DC «



3.5" embedded line

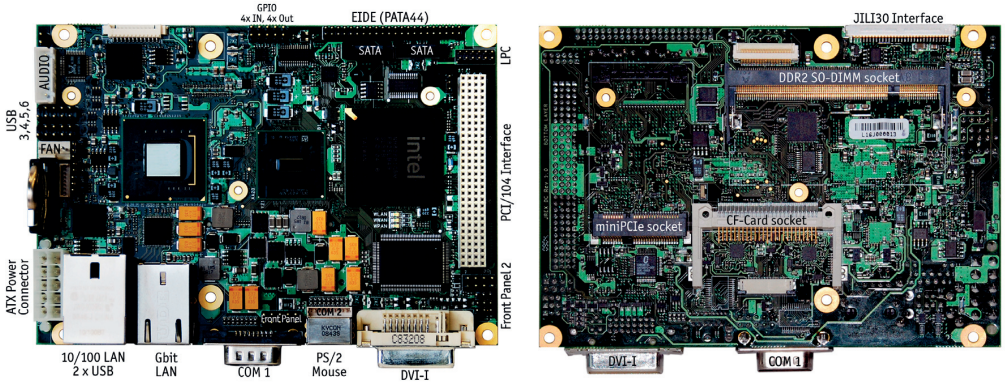
3.5" SBC with Intel® Atom™ N270 processor

» PCI-104 compatible expansion interface
» Intel® 945GSE, Intel® ICH7M Chipset
» Up to 2 GByte DDR2 SDRAM
» 6x USB2.0, Dual LAN, Dual SATA and PATA 44
» Low power consumption with latest energy saving 45nm technology

Technical Information

Processor / CPU Clock	Intel® Atom™ N270 processor 1.6 GHz / FSB 533 MHz
Chipset	Intel® 945GSE, Intel® ICH7M
Audio Controller	HD Audio
BIOS	AMIBIOS®
Cache	L2: 1 x 512 KByte
Compliance	PCI-104™ bus compatible expansion interface (PCI), miniPCIe, RoHS compliant
Cooling	passive / active depending on application
Dimensions (H x W x D)	102 x 147 mm, 3.5"
Ethernet	1 x 10/100, 1 x 10/100/1000
Graphic	Integrated with Intel® GMA950 (DirectX® 9, PS 2.0), shared memory CRT/DVI, 18Bit Dual Channel LVDS (JILI30)
Hard Disk	2x SATA *, 1x PATA 44 * (EIDE (UDMA-100))
Interfaces	1x DSUB RS232 *, 1x RS232 internal *, CompactFlash™ Card Socket
Memory	DDR2-SODIMM up to 2 GByte
Power Supply / Management	ATX power supply / 5V DC only
Special Features	TPM 1.2 *, 4bit GPIO *
Temperature	Operating: 0°C to 60°C / Storage: tbd (Ask about extended temperature ranges)
USB	6 x USB 2.0 (2 on front panel, 4 internal *)

* Optional, depending on product variants



Ordering Information

Article	Part No.	Description
JRex*plus*-DC *plus*	02008-0000-16-0	JRex*plus*-DC - 3.5" SBC with Intel® Atom™ N270 1.6 GHz, Chipset i945GSE + ICH7M, DVI-I, 2x 18Bit LVDS; Interface JILI30, 2xCOM, 1x LPT, 10/100 MBit LAN, 10/100/1000Mbit LAN, 6xUSB, HD Audio, EIDE 44pin, MiniPCIe, TPM, PCI/104+ interface, DDR2-SODIMM-socket up to 2Gbyte, Compact-Flash socket, ATX power supply
JRex*plus*-DC *plus* Starterkit	02108-0000-00-S	**JRex*plus*-DC plus Starterkit**, 3.5" SBC with PCI-104 interface, Intel® Atom™ N270 processor, PATA44, 2x SATA, LPT, 2x LAN, CRT/DVI, JILI30 LVDS interface, Backlight support, 4Bit GPIO, TPM 1.2, 2x RS232 interface, 6x USB, CF-CARD-Socket, MiniPCIe, ATX power supply, **incl. JRexplus-DC plus 1.6 GHz, 1GB DDR2 RAM, cables & accessories, packed in plastic case**

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Datasheet – JRexplus-DC #01152015WMH
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