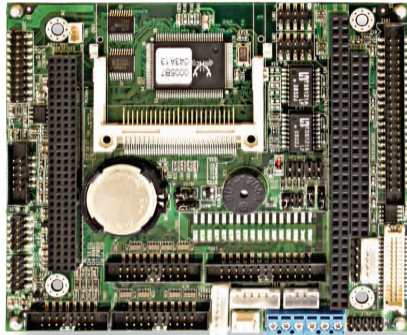




PBE-1100

ETX® Carrier Board



ETX

Features

- **ETX® Carrier Board**
- PC/104-Plus Interface
- Analog RGB, LVDS Display
- 4 x USB Ports, 4 x Serial Ports
- CompactFlash Disk Socket
- **Extended Operating Temp.: -20 ~ 70°C**

System

Storage	2 x Ultra ATA, support 4 IDE devices (R1.3)
	1 x Ultra ATA, support 2 IDE devices (R3.1)
	1 x Floppy disk driver (shared with LPT port connector)
	1 x CompactFlash Type II Socket (R1.3 shared with IDE2)
	1 x CompactFlash Type II Socket (R3.1 shared with IDE1)

I/O

Serial Port	Additional COM3, COM4, BIOS integrated W83977EF secondary I/O controller
Parallel Port	SPP/EPP/ECP mode
USB Port	4 x USB 1.1 or 2.0 ports (depends on the CPU module)
KB/MS	One 1 x 6 wafer connector (PS/2 interface for Keyboard and Mouse)
Digital I/O	16-bit Digital Input/ Output, 8-in/ 8-out
Expansion Bus	PC/104-Plus interface

Ethernet

Two 2x5-pin headers for Ethernet ports (One port from CPU module and another port on the carrier board)

Audio

CODEC/Interface Mic-in/Line-in/Line-out

Display

Graphics Interface Analog RGB, LVDS, and TV-out connector (depends on the CPU module)

Mechanical & Environmental

Power Requirement	AT power w/ 1 x 6-pin terminal blocks
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	0 ~ 90% (non-condensing)
Dimension (L x W)	95 x 114 mm (3.7" x 4.5")

What's included onboard?

The carrier board is designed in a small form factor. The board includes connectors and interfaces for PS/2 Keyboard and Mouse, USB, Serial, Parallel, Ethernet, Sound, Floppy disk and IDE devices. It supports the connection of a wide variety of visual devices such as Flat Panel LVDS displays, and Analog RGB displays. Supported storage media include CompactFlash, and other devices such as hard disk and CD-ROM. The carrier board supports expansion bus such as PC/104 ISA interface and PC/104-Plus PCI interface. The Power is supplied by a power terminal blocks.

Advantage

You can extend the functionality of off-the-shelf ETX® cores to match your application requirements. Functional prototypes can now be used in a very early project stage for hardware evaluation. Software development of a custom ETX® carrier board that integrates all these additional function takes place in a separate effort. Development time of custom ETX® carrier boards is a minimal effort that takes normally around one or two months. By using the ETX® Module that starts from a readily available system core, hardware design time and cost is minimized as your attention can be focused on parts of the system unique to your application.

Ordering Information

PBE-1100-R R1.3	PBE-1100 R1.3 ETX® Carrier Board w/ Realtek RTL8100CL 10/100Base-T Ethernet controller, CF shared with IDE2
PBE-1100-I R1.3	PBE-1100 R1.3 ETX® Carrier Board w/ Intel® 82551QM 10/100Base-T Ethernet controller, CF shared with IDE2
PBE-1100-RG R3.1	ETX® carrier board with PC/104 Plus, Realtek RTL8110SCL Gigabit Ethernet controller, CF shared with IDE1
PBE-1100-I R3.1	ETX® carrier board with PC/104 Plus, Intel® 82551QM 10/100Base-T Ethernet controller, CF shared with IDE1
CBK-10-1100-00	Cable kit for PBE-1100 R1.3
	1 x Audio cable 2 x Ethernet cables
	2 x USB cables 1 x VGA cable
	2 x COM port cables 1 x Keyboard & Mouse cable
	1 x LPT to FDD cable 1 x Power cable (4 wires)
	1 x IDE cable 1 x Power cable (2 wires)
	1 x LPT cable
CBK-16-1100-01	Cable kit for PBE-1100 R3.1
	1 x Audio cable 2 x Ethernet cables
	2 x USB cables 1 x VGA cable
	2 x COM port cables 1 x Keyboard & Mouse cable
	1 x LPT to FDD cable 2 x SATA cables
	1 x IDE cable 1 x Power cable (4 wires)
	1 x LPT cable 1 x Power cable (2 wires)

All specifications are subject to change without notice.

Computer on Module

Compact Board

Slot Board

Industrial Motherboard

Wide Temperature

SBC Daughterboard / Power Connector / Mounting Kit

Rugged Tablet PC

Medical PC

Industrial Panel PC/Monitor

Box PC

Industrial Chassis / Backplane / Power supply