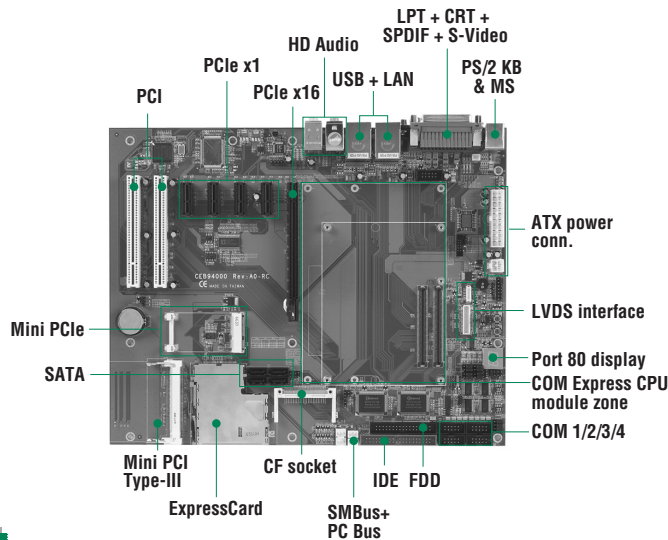


CEB94000

COM Express™ Development Baseboard



System

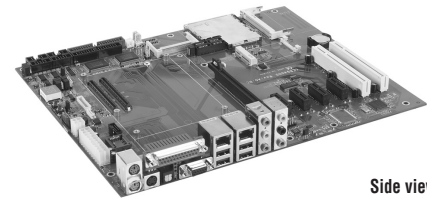
CPU	COM Express™ Basic and extended type module
System Memory	On the module
Chipset	On the module
BIOS	On the module; optional socket on the Baseboard
Watchdog Timer	Reset supported; 255 levels
Expansion Interface	* One PCIe x16 slot for graphics and SDVO ADD2+ card * Four PCIe x1 slots * Two 32-bit/33MHz PCI slots * One ExpressCard slot * One Mini PCIe socket * One Mini PCI type-II socket
Battery	Lithium 3V/196 mAH
Size	305 x 244 mm
Temperature	0~60°C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x PATA IDE, 4 x SATA IDE, 1 x FDD, 1 x PS/2 K/B, 1 x PS/2 MS, 4 x COM ports (3 x RS-232, 1 x RS-232/422/485), 1 x LPT, 1 x IrDA
Display	1 x S-Video, 1 x LVDS LCD interface and 1 x CRT D-Sub connector
Ethernet	Onboard Realtek RTL8100C/RTL8110SC Fast/Gigabit Ethernet controller (optional Intel 82551QM/82572V Fast/Gigabit Ethernet)
Audio	AC'97/HD Audio with rear surround/side surround/sub woofer, AC'97 compliant Line-in/line-out/MIC-in and SPIF
USB	6 USB 2.0 ports with USB DoM supported
SMBus	System Management Bus for advanced monitoring/control interface
Port 80 Display	Dual 7 segments Port 80 display for convenient debugging purpose

Features

- ▶ Standard ATX form factor for development purpose
- ▶ PCIe x16, PCIe x1 and PCI Bus expansion
- ▶ ExpressCard, Mini Card and Mini PCI



Side view

Packing List

Quick installation guide
Manual, driver, utility CD and cable kit (refer to cable list in chapter 9)

Ordering Information

Standard	
CEB94000VEEA	COM Express™ Baseboard with ExpressCard, Mini Card, Mini PCI and multiple I/O features
Optional	
CEM830	COM Express™ SoM with socket M and Fast Ethernet
CEM820	COM Express™ SoM with socket 478 and Gigabit Ethernet
PK95300	LVDS-to-TTL 18-bit LCD converter for Hirose DF9-31P-1V
PK95301	LVDS-to-TTL 18-bit LCD converter for Hirose DF9-41P-1V
AX93221	LVDS-to-DVI converter
AX93218L	ADD2+ card for LVDS LCD
AX93218D	ADD2+ card for DVI-D



ECP Services and Solutions

System-on-a-Module Solutions

Mini ITX SBC

3.5" Capa Boards

EPIC Boards

5.25" Petit Boards

Half-size CPU Cards, Backplanes

PCI/104 Modules

Mini PCI Modules

Accessories

Remote Field Controllers

Embedded eBOX Systems & MicroBoxes

Power Supplies

Appendix