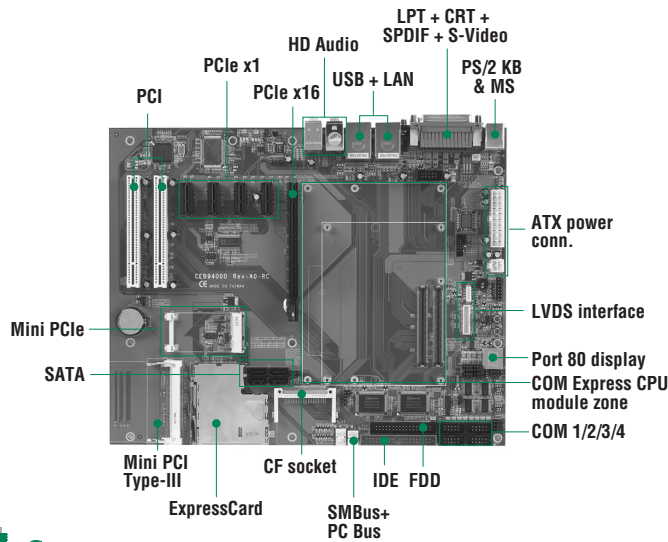


CEB94000

COM Express™ Development Baseboard

1
Embedded Computing Platforms



System

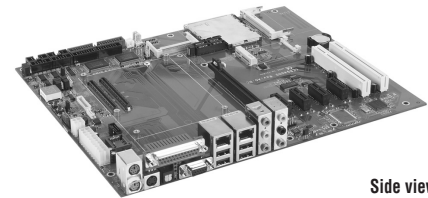
CPU	COM Express™ Basic and extended type module
System Memory	On the module
Chipset	On the module
BIOS	On the module; optional socket on the Baseboard
Watchdog Timer	Reset supported; 255 levels
Expansion Interface	* One PCIe x16 slot for graphics and SDVO ADD2+ card * Four PCIe x1 slots * Two 32-bit/33MHz 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



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