

Phoenix ATX-E

LONG-LIFE ATX MOTHERBOARD FOR EMBEDDED APPLICATIONS

POWERFUL AND EXPANDABLE
WITH LEGACY SUPPORT



PRODUCT HIGHLIGHTS

- Intel® Pentium® 4 processor
- Intel® 845PE chipset
- 400/533MHz Front Side Bus
- Dual 10/100 Ethernet
- AGP 2x/4x
- USB 2.0
- Built-in AC'97 Sound
- Seven (7) to Ten (10) Year
Guaranteed Production

The Phoenix ATX-E™

is a powerful Intel® Pentium® 4 processor based industrial motherboard for embedded applications. This design utilizes the Intel® 845PE chipset to deliver maximum operating performance, powerful graphics options, latest USB standard, and multiple I/O in a single ATX (8.2" x 12") design.

APPLICATIONS

- Medical
- Factory Automation
- Industrial PCs
- Semiconductor
Equipment
- Imaging Products
- Security and Surveillance
- Robotics
- Test and Measurement
- Networking

The Phoenix ATX-E boasts an impressive list of features which includes: support for Intel® Pentium® 4 processors, six (6) hi-speed USB 2.0 ports, five (5) 32-Bit PCI slots, one (1) AGP 2x/4x slot, analog video output, digital video output, onboard ethernet, a 44-pin connector for flash disks or other IDE devices, and onboard sound.

The Phoenix ATX-E is custom-designed to meet a diverse range of embedded computing requirements across a wide spectrum of device categories, including medical, networking, security, and factory automation, serving vertical market segments ranging from the pharmaceutical and semiconductor industries to printing, test and measurement, textile manufacturing and industrial robotics.



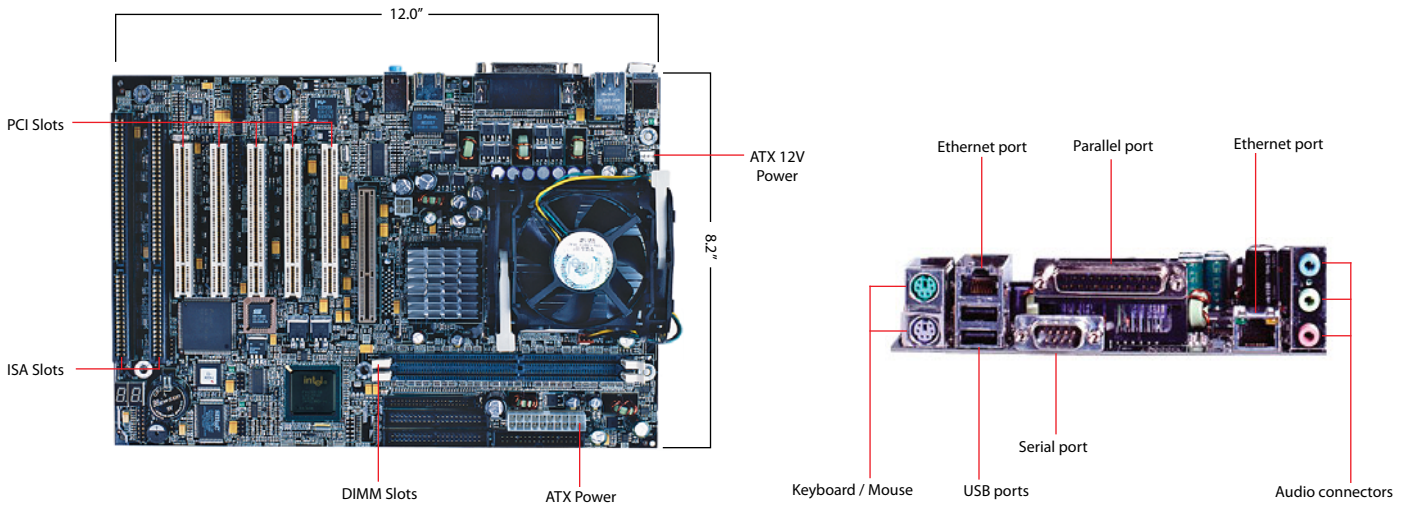
OUR COMMITMENT TO QUALITY

All Corvalent products are designed and manufactured in an ISO 9001:2008 environment and backed by a seven (7) to ten (10) year production life cycle guarantee.



Phoenix ATX-E

LONG-LIFE ATX MOTHERBOARD FOR EMBEDDED APPLICATIONS



TECHNICAL SPECIFICATIONS

Form Factor ATX

Dimensions 8.2" x 12.0"

Microprocessor Intel® Pentium® 4 processor
(Socket mPGA478)

Chipset Intel® 845PE chipset

Front Side Bus 400/533MHz

Memory Two (2) DIMM sockets support up to 2GB of
DDR 333/266

System Bus Five (5) PCI slots (32-bit/33MHz)
Two (2) ISA slots (16-bit/8MHz)
(one (1) shared)
One (1) AGP 4x2x

Onboard I/O Two (2) 40-pin ATA/100 EIDE connectors
One (1) 44-pin ATA/100 EIDE connector
(sharing secondary IDE)
Two (2) RS232 serial ports, one factory
configurable to RS422
Six (6) hi-speed USB 2.0 ports
(USB 1.1 compatible)
Two (2) back panel connectors and four on
headers
One (1) parallel port ECP/EPP
ECP/EPP Floppy controller
Stacked mini-DIN keyboard and mouse
connector
Auxiliary keyboard/mouse header
Infrared support on COM2 through header
(optional)
Digital I/O (optional)
Onboard transducer/buzzer
(optional speaker header)

Ethernet 10/100 Ethernet,

Audio AC'97 compatible sound controller

Industrial Devices Hardware monitoring
POST display for diagnostics

BIOS AMI®

Battery Removable lithium battery for CMOS
memory

Operating Temp 0°C to 55°C

Non-Operating -40°C to 85°C

Op. Humidity 5 to 95% @ 40°C non-condensing

Non-Operating 5 to 95% @ 40°C non-condensing

Part Number P4EAX

CORVALENT
AT THE CORE OF EMBEDDED COMPUTING

1101 Arrow Point Drive, Building 5
Cedar Park, TX 78613, USA
toll free 888.776.7896 phone 512.456.2400
fax 512.456.2404 info@corvalent.com

www.corvalent.com