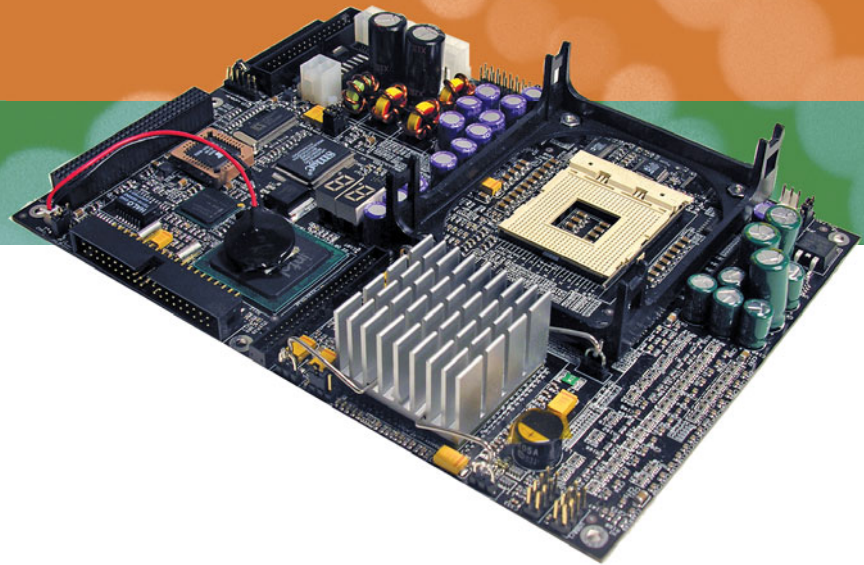


# Phoenix EBC™

COMPACT MOTHERBOARD BASED ON THE INTEL® PENTIUM® 4 PROCESSOR

COMPACT AND RELIABLE  
EBC INDUSTRIAL CONTROLLER



## PRODUCT HIGHLIGHTS

- Intel® Pentium® 4 processor
- Intel® 845GE/GV chipset
- 400/533MHz Front Side Bus
- Intel Extreme Graphics
- 10/100 Ethernet
- 32-bit PCI-104 expansion
- Optional Breakout Panel for Standard ATX I/O Connectivity
- Seven (7) to Ten (10) Year Guaranteed Production

## The Phoenix EBC™

The Phoenix EBC industrial motherboard was designed to provide the ultimate in processor performance and space-saving versatility. It is based on the Intel® Pentium® 4 processor and the Intel 845GE/GV chipset, offering maximum processing power and cutting edge industrial features.

## APPLICATIONS

- Medical
- Point of Sale
- Digital Displays
- Defense
- Touch Screen Displays
- Mobile Systems
- Embedded Systems
- Military

The compact 5.7" x 8.0" EBC form factor fits into tight and narrow spaces of embedded applications, offering design flexibility.

The Phoenix EBC boasts an impressive list of features, which includes: 32-bit PCI-104 expandability, 10/100 Ethernet, four (4) high-speed USB 2.0 ports (USB 1.1 Compatible), SODIMM slot supporting up to 1GB of 266/333 DDR, 40-pin and 44-pin connectors for IDE devices, three (3) RS232 serial ports (one configurable to RS422), one (1) parallel port, floppy controller, PS/2 mouse and keyboard connectors. The Phoenix EBC also employs industrial tools including POST code display for self-diagnostics, and CPU temperature and voltage monitoring.

The optional Breakout Panel provides ATX-style I/O expansion to the Phoenix EBC. This connectivity is ideal for



integrating the Phoenix EBC in standard ATX enclosures or for development purposes.

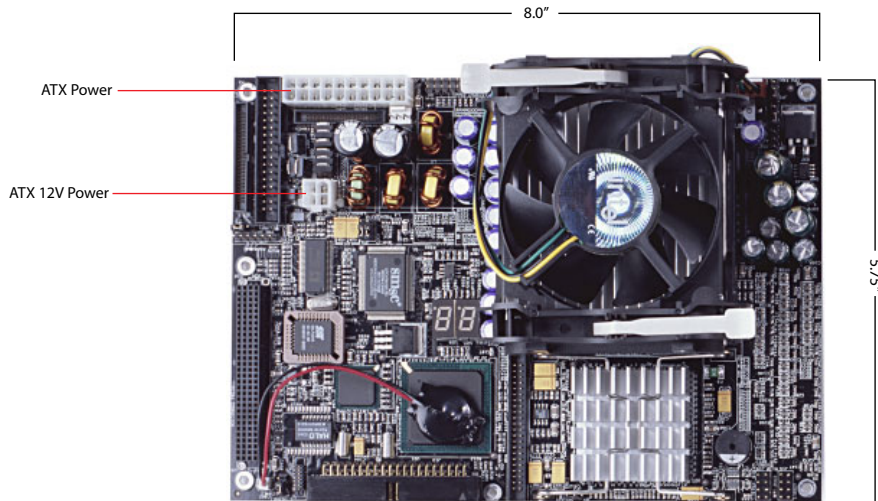
## OUR COMMITMENT TO QUALITY

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 EBC™

## COMPACT MOTHERBOARD BASED ON THE INTEL® PENTIUM® 4 PROCESSOR



### TECHNICAL SPECIFICATIONS

<b>Form Factor</b>	EBC	<b>Ethernet</b>	One (1) 10/100 ethernet
<b>Dimensions</b>	5.75" x 8.0"	<b>Audio</b>	AC'97 compatible sound controller
<b>Microprocessor</b>	Intel® Pentium® 4 processor (SocketmPGA478)	<b>Industrial Devices</b>	Hardware monitoring POST display for diagnostics
<b>Chipset</b>	Intel® 845GE/GV	<b>BIOS</b>	AMI®
<b>Front Side Bus</b>	400/533MHz	<b>Battery</b>	Removable lithium battery for CMOS memory
<b>Memory</b>	One (1) SODIMM slot supports 1GB DDR 333/266 SDRAM	<b>Operating Temp</b>	0°C to 55°C
<b>System Bus</b>	One (1) 32-bit PCI-104 expansion	<b>Non-Operating</b>	-40°C to 85°C
<b>Onboard I/O</b>	One (1) 40-pin ATA/100 EIDE connector (sharing secondary IDE) (supports two (2) devices) One (1) 44-pin ATA/100 EIDE connector (sharing secondary IDE) (supports two (2) devices) Four (4) USB 2.0 ports (USB 1.1 compatible) Three (3) RS232 serial ports, one (1) factory configurable to RS422 One (1) parallel port PS/2 mouse/keyboard Floppy controller ATX12V power supply	<b>Op. Humidity</b>	5 to 95% @ 40°C non-condensing
<b>Video Graphics</b>	Intel® Extreme Graphics 2 Technology Analog Video Out (350MHz integrated 24- bit RAMDAC, up to 2048 x 1536 at 60Hz refresh)  Optional LVDS	<b>Non-Operating</b>	5 to 95% @ 40°C non-condensing
		<b>Part Number</b>	P4GEB



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