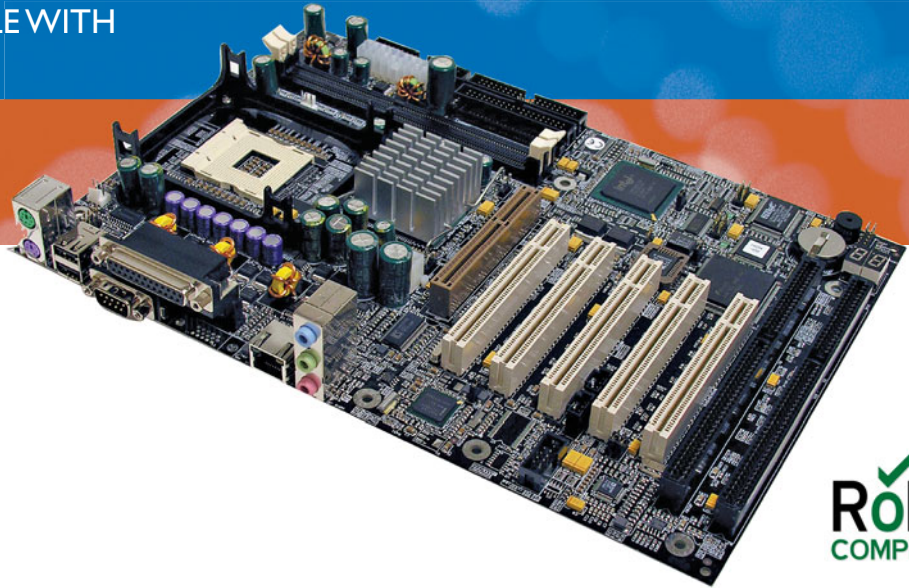


Phoenix™ ATX-G

LONG-LIFE ATX MOTHERBOARD WITH BUILT-IN VIDEO

POWERFUL AND EXPANDABLE WITH
LEGACY SUPPORT



PRODUCT HIGHLIGHTS

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

The Phoenix™ ATX-G

is a powerful Intel® Pentium® 4 processor based industrial motherboard for embedded applications. This design utilizes the Intel 845GV chipset to deliver maximum processing 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-G boasts an impressive list of features which includes: support for latest Intel Pentium 4 processors, six (6) hi-speed USB 2.0 ports, five (5) 32-Bit PCI slots, onboard VGA with ADD support, onboard Ethernet, one (1) 44-pin connector for flash disks or other IDE devices, and onboard sound.

The Phoenix ATX-G 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.



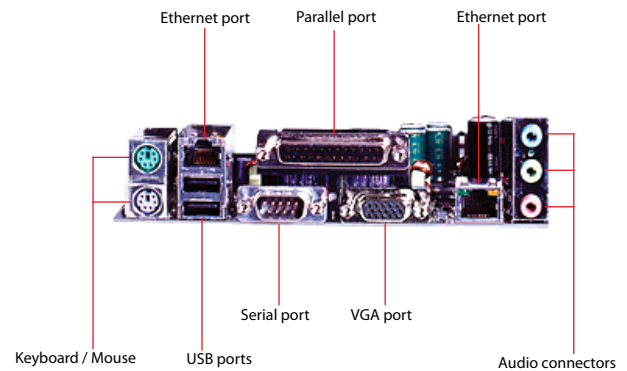
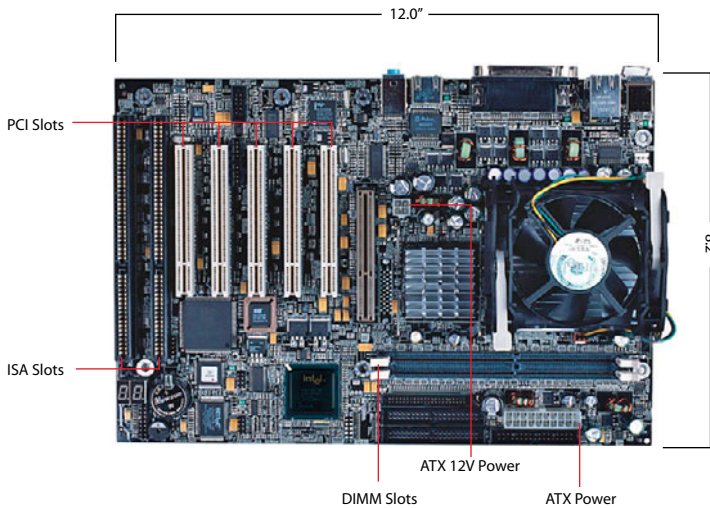
OUR COMMITMENT TO QUALITY

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-G™

LONG-LIFE ATX MOTHERBOARD WITH BUILT-IN VIDEO



TECHNICAL SPECIFICATIONS

| | |
|-----------------------|---|
| Form Factor | ATX |
| Dimensions | 8.2" x 12.0" |
| Microprocessor | Intel® Pentium® 4 processor (Socket mPGA478) |
| Chipset | Intel 845GV chipset |
| Front Side Bus | 400/533MHz |
| Memory | Two (2) DIMM sockets support up to 2GB of DDR 333/266 SDRAM |
| System Bus | Five (5) PCI slots (32-bit/33MHz) Two (2) ISA slots (one (1) shared) (16-bit/8MHz) |
| 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 con- figurable to RS422 Six (6) hi-speed USB 2.0 ports (USB 1.1 compatible) Two (2) back panel connectors and four (4) on headers One (1) parallel port 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) ATX12V power supply |

| | |
|---------------------------|--|
| Video Graphics | Intel Extreme Graphics Technology Analog Video Out (350MHz integrated 24- bit RAMDAC, up to 2048 x 1536 at 60HZ refresh), ADD card support which adds the functionality of LVDS/DVI/TV Out |
| Ethernet | Two (2) 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 | P4VAX |

CORVALENT™
AT THE CORE OF EMBEDDED COMPUTING

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