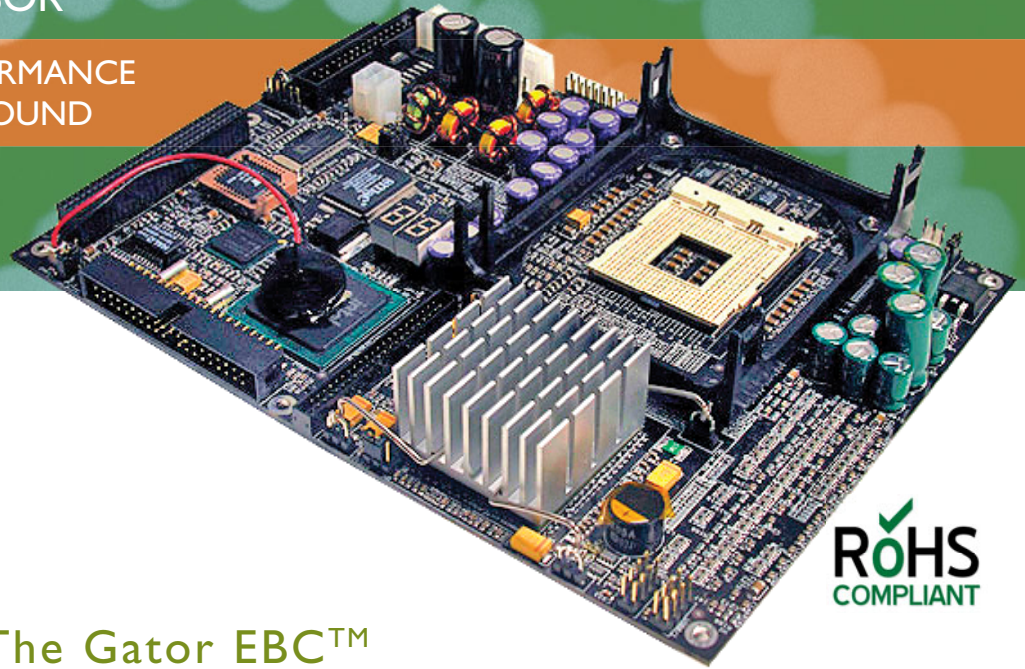


# Gator EBC™

GATOR FAMILY

LOW-POWER MOTHER BOARD BASED ON THE INTEL®  
PENTIUM® 4-M PROCESSOR

SMALL FORM FACTOR PERFORMANCE  
WITH BUILT-IN VIDEO AND SOUND



## PRODUCT HIGHLIGHTS

- Higher Performance Per Watt
- Intel® Pentium® 4-M Processor
- Intel 845GE/GV chipset
- Built-in Intel® Extreme Graphics
- 32-bit PCI-104 Expansion
- Seven (7) To Ten (10) Year  
Guaranteed Production

## The Gator EBC™

The Gator EBC™ industrial motherboard was designed to provide the ultimate in performance for applications with limited ventilation or space constraints. This design is based on the Intel® Pentium® 4-M Processor and the Intel 845GE/GV chipset, offering maximum performance per watt 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 Gator EBC boasts an impressive list of features, which includes: Operation at half the power of standard Intel Pentium 4 processors, 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 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 Gator EBC also employs industrial tools including POST code display for self-diagnostics, and CPU temperature and voltage monitoring.

### Optional Breakout Panel

The optional Breakout Panel provides ATX-style I/O expansion to the Gator EBC. This connectivity is ideal for integrating the Gator EBC in standard ATX enclosures or for developmental purposes.



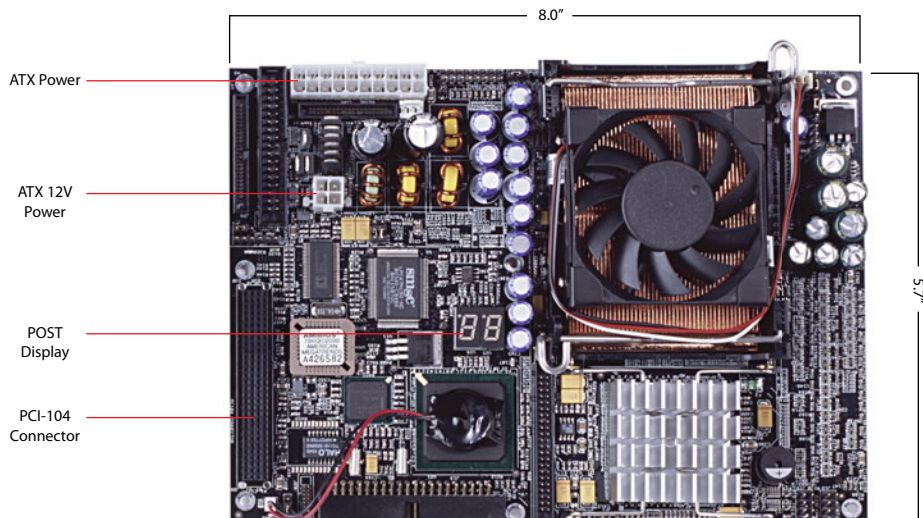
### OUR COMMITMENT TO QUALITY

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.



# Gator EBC™

## LOW-POWER MOTHER BOARD BASED ON THE INTEL® PENTIUM® 4-M PROCESSOR



### TECHNICAL SPECIFICATIONS

Form Factor	EBC	Ethernet	One (1) 10/100 ethernet, factory upgradable to 10/100/1000
Dimensions	5.7" x 8.0"	Audio	AC'97 compatible sound controller
Microprocessor	Intel® Pentium® 4-M processor (Contact us for newest supported speeds)	Industrial Devices	POST code diagnostics Hardware monitoring
Chipset	Intel 845GE/GV chipset	BIOS	AMI®
Front Side Bus	400MHz	Battery	Removable lithium battery for CMOS memory
Memory	One (1) SODIMM slot supports up to 1GB of DDR 266 SDRAM	Operating Temp	0°C to 55°C
System Bus	One (1) 32-bit PCI-104 expansion	Non-Operating	-40°C to 65°C
Onboard I/O	One (1) 40-pin ATA100 EIDE connector One (1) 44-pin ATA100 EIDE connector (sharing secondary IDE) Four (4) USB 2.0 ports (USB 1.1 compatible) Three (3) RS232 serial port, one (1) factory configurable to RS422 One (1) parallel port One (1) PS/2 mouse/keyboard connector Floppy controller ATX 12V power supply	Op. Humidity	5 to 95% @ 40°C non-condensing
Video Graphics	Built-in Intel Extreme Graphics Analog Video Out (350MHz integrated 24-bit RAMDAC, up to 2048 x 1536 at 60Hz refresh)  Optional LVDS	Non-Operating	5 to 95% @ 40°C non-condensing
		Part Number	G4GEB



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](http://www.corvalent.com)