

# Gator ATX-G

GATOR FAMILY

LOW-POWER ATX MOTHERBOARD BASED ON INTEL® PENTIUM® 4-M

COMBINES HIGH-PERFORMANCE AND POWER SAVING WITH LEGACY TECHNOLOGY SUPPORT



## PRODUCT HIGHLIGHTS

- Low Power Intel® Pentium® 4-M
- Intel 845GE chipset
- 400MHz Front Side Bus
- Intel Extreme Graphics
- 10/100 and Gb Ethernet options
- Built-in AC'97 Audio
- USB 2.0
- Seven (7) To Ten (10) Year Guaranteed Production

## The Gator ATX-G™

is a power-conscious industrial motherboard based on the Intel® Pentium® 4-M Processor and the 845GE chipset. The Gator ATX-G offers high performance per watt and cutting edge features in a standard ATX (8.2" x 12.0") design.

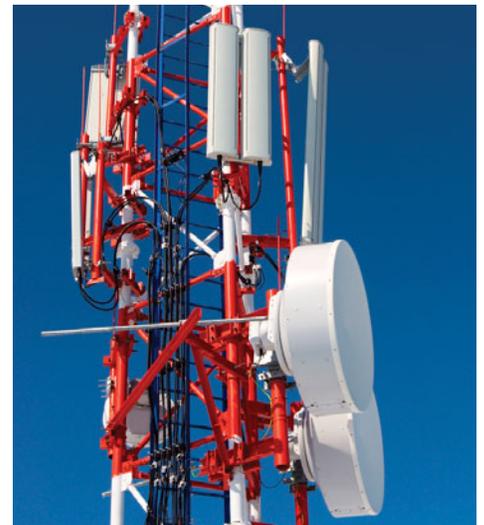
## APPLICATIONS

- Automobile
- Military
- Aerospace
- Medical

The Gator ATX-G boasts an impressive list of features which include: high-speed USB 2.0 ports, (5) 32-Bit PCI slots, powerful built-in graphics, analog video out, on-board ethernet configurable to 1GB, 44-pin connector for flash disks or other IDE devices, and on board sound.

## ABOUT THE GATOR FAMILY

For applications with limited ventilation and space constraints, Corvalent offers the Gator Family, a full line of powerful low power designs. Consuming 50% less power than standard Intel Pentium 4 processors, these low power solutions provide a new level of efficiency to the industrial environment. Featured applications for low power designs include: small form factor, automobile, military, aerospace, and medical.



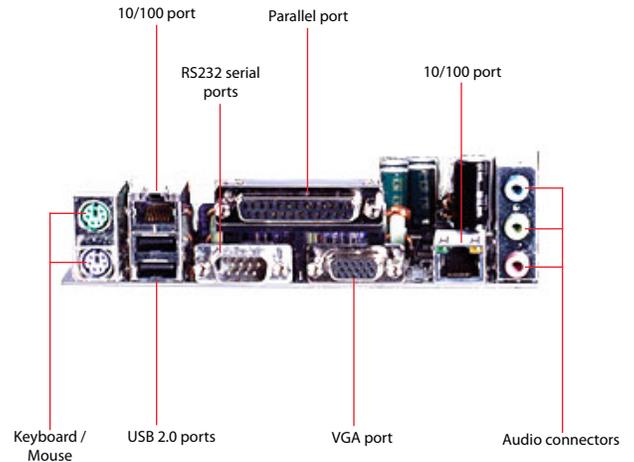
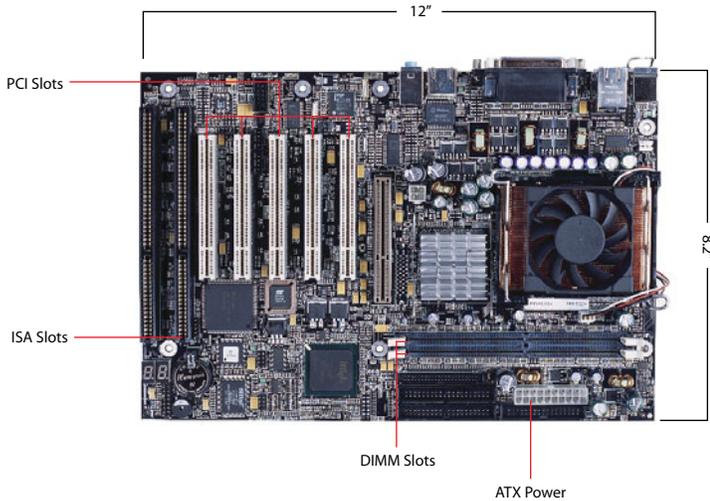
## OUR COMMITMENT TO QUALITY

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 ATX-G

## LOW-POWER ATX MOTHERBOARD BASED ON INTEL® PENTIUM® 4-M



### TECHNICAL SPECIFICATIONS

**Form Factor** Standard ATX

**Dimensions** 8.2" x 12.0"

**Microprocessor** Intel® Pentium® 4 Processor-M (Socket mPGA478)

**Chipset** Intel® 845GE® chipset

**Front Side Bus** 400MHz

**Memory** Two (2) DIMM sockets support up to 2GB of DDR 266 SDRAM

**System Bus** Five (5) PCI slots (32-bit/33MHz)  
Two (2) ISA slots (one shared) (16-bit/8MHz)  
One (1) ADD slot (AGP supported by 845GE chipset only)

**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 (USB 1.1 compat.)  
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)  
ATX 12V power supply connector

**Video Graphics** Intel Extreme Graphics 2 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 ports

**Audio** AC'97 compatible sound controller

**Industrial Devices** Hardware monitoring  
POST code diagnostics

**BIOS** AMI®

**Battery** Removable lithium battery for CMOS memory

**Operating Temp** 0°C to 60°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** G4GAX

**CORVALENT**  
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