

CorBrick855E

CORBRICK FAMILY

FANLESS, MULTI I/O EMBEDDED SYSTEM

COMPACT, RUGGED, FANLESS, MULTI-SERIAL
HIGH PERFORMANCE-PER-WATT PACKAGE



PRODUCT HIGHLIGHTS

- EPIC Form Factor (4.5" x 6.5")
- Compact profile 8" x 4" x 8" (203.2mm x 101.6mm x 203.2mm)
- 600MHz, 1.0GHz Pentium® M, 400MHz FSB, 1MB L2 cache
- 1GB DDR-333
- Low Profile CD/DVD Drive
- 250GB WD SATA Drive
- High resolution graphics, 10/100/1000 Ethernet, six (6) USB 2.0 ports, four (4) serial ports, factory upgradeable to six (6)
- 90/120W DC/DC Power Board plus Brick
- Optional 1.4GHz Pentium® M
- Five (5) to Eight (8) Year Guaranteed Production
- Two (2) Year Warranty

GATOR EPIC



Industrial motherboard proudly owned, uniquely designed and manufactured by Corvalent



The CorBrick855E™

Ready-to-go certified and prepackaged configuration built around the small footprint, high performance-per-watt board. The Gator EPIC is a long-life industrial motherboard in a compact and rugged multi I/O system. The CorBrick855E offers a modular platform for a broad array of thermal density and size constrained applications.

The Intel® 855GME chipset of the Gator EPIC industrial motherboard provides virtually all of the resources needed to build a reliable and consistent computation platform for virtually any application.

A wealth of generic and legacy I/O (multi-serial, parallel, and USB ports) and high resolution using Intel® Extreme Graphics 2 Technology provide the basis for a broad range of 3D/2D graphics interface with resolutions up to 1800x1440 @ 85Hz max CRT or 2048x1536 @ 60Hz max FP. Additional features like total fanless system and solid-state storage improve long-term reliability and provide maximum integration.

As a starting point for a project requiring low power, sophisticated processing and I/O capabilities, the CorBrick855E is unique. Where most pre-configured systems are fixed configuration environments and have space constraint limita-

tions, this system is specifically engineered for ease and ready-to-go deployment.

In addition to the standard features offered, the CorBrick855E can be customized with LVDS and I394 controllers and Wi-Fi 802.11 ports, and memory and storage options. Corvalent offers BIOS customization, which can include splash screens and limiting which options can be modified in the field.

OUR COMMITMENT TO QUALITY

All Corvalent products are designed and manufactured in an ISO 9001:2000 environment and backed by a five (5) to eight (8) year production life cycle guarantee.



TECHNICAL SPECIFICATIONS

Form Factor	Compact All-in-One - 8" x 4" x 8" (203.2mm x 101.6mm x 203.2mm)
Motherboard	Corvalent - Gator EPIC (GMEEP)
Form Factor	EPIC (4.5"x 6.5")
I/O	Two (2) Serial ATA connectors (150MB/s) One (1) 44-pin PATA100 EIDE connector Six (6) USB 2.0 port headers RS232 serial port options available: two (4) or six (6) ports One (1) factory configurable to RS422/RS485 One (1) ECP/EPP parallel port header One (1) PS/2 mouse/keyboard header
Memory	One (1) SODIMM slot supports 1GB of DDR 333/266 SDRAM (Supports both ECC and non-ECC memory modules)
Networking	One (1) on-board Ethernet port Ethernet options include 10/100 and 10/100/1000 ports
Audio	AC'97 compatible sound controller
Video	Onboard integrated graphics utilizing Intel® Extreme Graphics 2 Technology LVDS controller
Industrial Device	Hardware monitoring including fans CPU temperature and voltages
Power Supply	Built-in P4 DC power board
Standard Drives	One (1) slim media and one (1) slim HDD (2.5") or 1 slim media and one (1) standard 3.5" HDD (w/o add-on card installed)
Expansion Slots	Right angle riser carrying: (Other configurations available) Optional PCI 104 slot Optional Add-on card
Fans	Optional System Fan

Environmental Specifications

CATEGORY	OPERATING	NON-OPERATING
Temperature	-10°C to 75°C	-40°C to 85°C
Humidity	5 to 95% @ 40°C non-condensing	5 to 95% @ 40°C non-condensing

KEY FEATURES

- High performance per watt system for thermal density and space constrained industrial applications
- Flexible configuration
- Integrated Graphics and RAID controller allows better I/O expandability
- Large I/O support
- Wall mount brackets included
- Fully RoHS compliant
- Five (5) to Eight (8) Year Guaranteed Production



ADDITIONAL OPTIONS

- Two (2) additional RS-232 ports
- Up to 1GB of DDR-333 SDRAM
- Wide variety of Intel Embedded Pentium Mobile processors
- Fanless system configuration available on request
- Customized BIOS settings
- Customized branding
- Operating system loaded
- Complete application loaded
- Finished product can be supplied with custom cards, software, and custom testing.



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