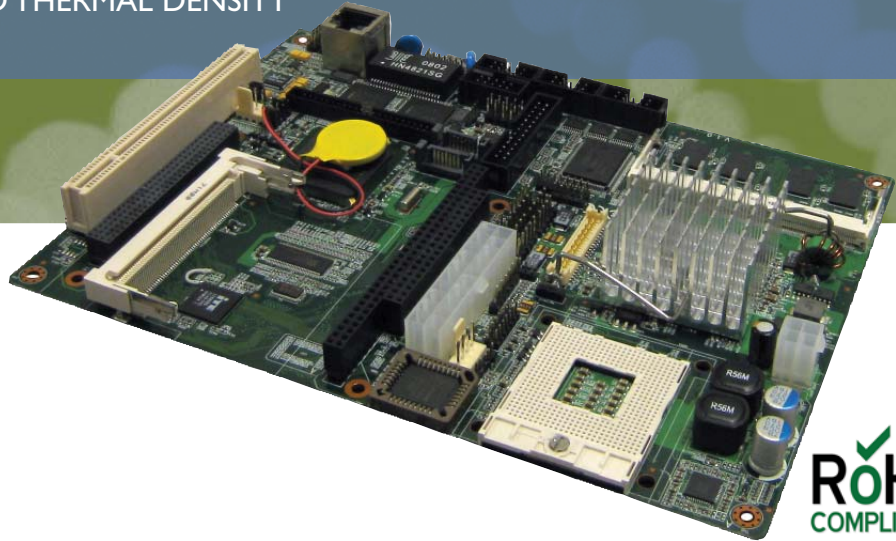


945EBC

LOW POWER

LOW POWER INDUSTRIAL SINGLE BOARD COMPUTER

MAXIMIZING PERFORMANCE AND THERMAL DENSITY



PRODUCT HIGHLIGHTS

- EBC (8.0" x 5.7")
- Intel® Core™ 2 Duo T7400, Intel® Core™ Duo T2500, Intel® Celeron® 530, Intel® Celeron® 440 processors
- Intel® 945GME Chipset
- 1GB of onboard DDR2 memory
- One (1) PCI slot
One (1) Mini-PCI connector
One (1) PCI04+ connector
One (1) PCI04 connector
- Eight (8) to Ten (10) Year Guaranteed Production

The 945EBC™

is a low-power EBC motherboard powered by the Intel® 945GME chipset.

The 945EBC motherboard was designed for small enclosures, thin clients and deeply embedded applications such as Medical, Defense, Security and Surveillance, Point of Sale, Digital Displays, Networking, Internet Appliances, Factory Automation, Gaming and Infotainment.

APPLICATIONS

- Medical
- Defense
- Security and Surveillance
- Point of Sale
- Digital Displays
- Networking
- Internet Appliances
- Factory Automation
- Gaming
- Infotainment

The 945EBC supports low-power Intel® Core™ 2 Duo T7400, Intel® Core™ Duo T2500, and Intel® Celeron® 530, Intel® Celeron® 440 processors. These mobile processors offer a higher performance-per-watt than a standard Intel® Pentium® 4 processor;

The Intel® 945GME chipset features a 667MHz front side bus, providing up to 25% faster data transfer rate compared to the previous generation. Support for dual channel DDR2 667MHz memory allows for increased performance memory technology. With the Intel® Graphics Media Accelerator (GMA) 950, the 945EBC offers exceptional 3D graphics performance.

OUR COMMITMENT TO QUALITY

All Corvalent products are designed and manufactured in an ISO 9001:2000 environment and backed by an eight (8) to ten (10) year production life cycle guarantee.

ORDERING INFORMATION

Product: 945EBC
Part Number: G45EB
Product Description: Low Power Industrial Single Board Computer

Contact Us for Pricing and Availability
toll-free: 888-776-7896
direct: +1 408-776-7896
email: sales@corvalent.com

TECHNICAL SPECIFICATIONS

Form Factor	EBC (8.0" x 5.7")
Microprocessor	Intel® Core™ 2 Duo T7400 processor; Intel® Core™ 2 Duo T2500 processor; Intel® Celeron® M 530 processor; Intel® Celeron® M 440 processor
Chipset	Intel® 945GME + ICH7M
Front Side Bus	667MHz
System Bus	One (1) PCI slot One (1) Mini-PCI connector One (1) PC-104+ 120-pin connector (PCI) One (1) PC-104 104-pin connector (ISA - non-bus master)
On board I/O	Four (4) RS232 serial ports (COM1 RS485-422 selectable) Two (2) SATA 2.0 ports (supports RAID 0/1) One (1) PATA 100 (supports two (2) IDE drives) Eight (8) USB 2.0 headers One (1) Parallel port One (1) PS2 keyboard/mouse One (1) Floppy drive shared with Parallel port One (1) Compact Flash connector One (1) 16bit GPIO header
Video Graphics	Onboard Intel® Graphics Media Accelerator (GMA950)
Display Interface	LVDS support 24-bit up to 1600 x 1200 resolution CRT support up to 2048 x 1536 Dual Independent Display (CRT, LVDS)
Memory	One (1) 200-pin SO-DIMM 1GB onboard DDR2 memory Supports additional 2GB DDR2 533/667MHz SDRAM
Ethernet	One (1) 10/100/1000 base-T on RJ45 connector (Intel® 82573) One (1) 10/100/1000 base-T on header
Sound	Realtek ALC883 HD Audio Codec 1W Audio Amp
Industrial Devices	Watchdog Timer
BIOS	AMI
Battery	Removable lithium battery for CMOS memory
Power Connector	Standard 20-pin ATX power connector

Environmental Specifications

CATEGORY	OPERATING	NON-OPERATING
Temperature	0°C to 60°C	-40°C to 65°C
Humidity	5 to 95% @ 40°C non-condensing	5 to 95% @ 40°C non-condensing

ORDERING INFORMATION

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- Product Description: Low Power Industrial Single Board Computer
- Part #: G45EB



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