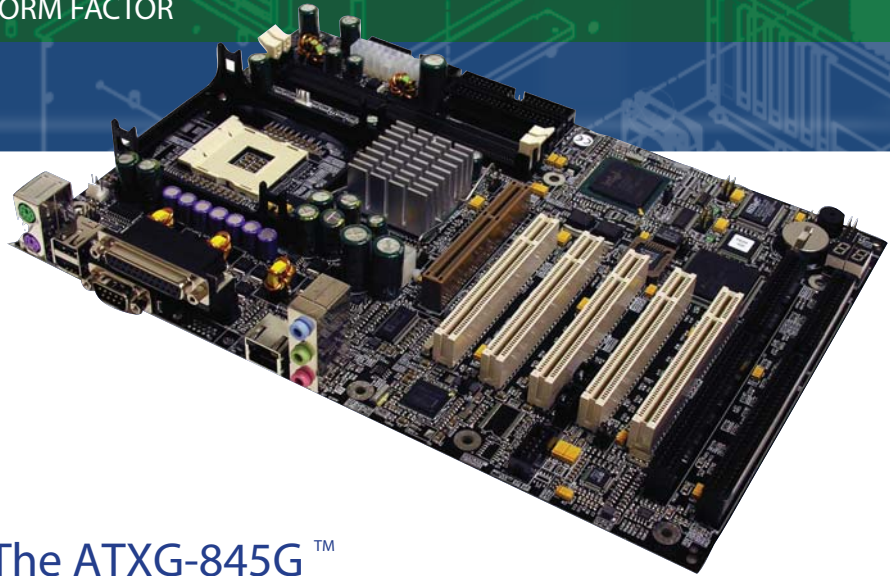


ATXG-845G

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

COMBINES HIGH-PERFORMANCE AND POWER SAVING FEATURES IN AN ULTRA-COMPACT FORM FACTOR

SYSTEMS ENGINEERED TO PERFORM™



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
- USB 2.0
- Five (5) To Eight (8) Year Guaranteed Production

The ATXG-845G™

is a power-conscious industrial motherboard based on the Intel® Pentium® 4-M Processor and the 845GE chipset. The ATXG-845G offers high performance per watt and cutting edge features in a standard ATX (8.2"x12.0") design.

APPLICATIONS

- Automobile
- Military
- Aerospace
- Medical

The ATXG-845G boasts an impressive list of features which includes: high-speed USB 2.0 ports, five (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 onboard sound.

ABOUT THE LONG LIFE FAMILY

For applications with limited ventilation and space constraints, Chassis Plans offers the Long Life 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 Chassis Plans Long Life 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.

CONFIGURED SYSTEMS

Chassis Plans is a recognized leader in turn-key integrated industrial computing solutions. Systems are built exactly to each customer's unique application and environmental requirements. Our broad product line of COTS industrial chassis and unsurpassed custom design capabilities allows us to provide the ideal enclosure. Long Life Products and strict revision control on all components means you get the same system with every order. Chassis Plans Systems are Engineered to Perform.



ATXG-845G

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

TECHNICAL SPECIFICATIONS

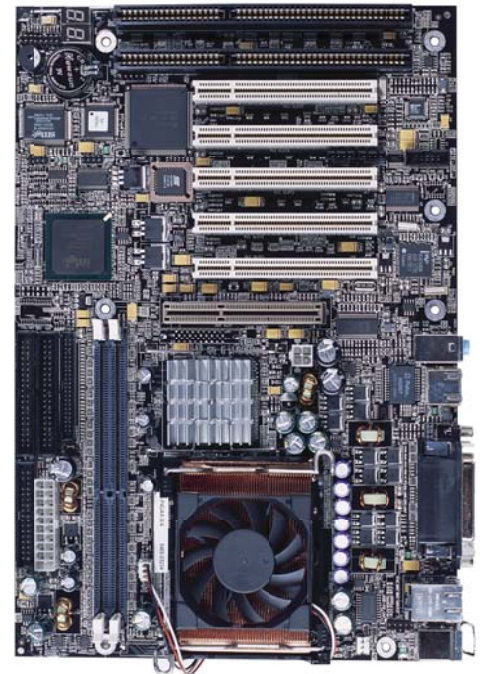
Form Factor	Standard ATX (8.2" x 12.0")
Microprocessor	Intel® 4 processor-M (Socket mPGA478)
Chipset	Intel® 845GE chipset
Front Side Bus	400MHz
System Bus	Five (5) PCI slots (32-bit/33MHz) Two (2) ISA slots (one shared) (16-bit/8MHz) One (1) ADD slot (AGP supported by 845GE chipset only)
On board I/O	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)
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
Memory	Two (2) DIMM sockets support up to 2GB of DDR 266 SDRAM
Ethernet	One (1) 10/100 and 10/100/1000 ports, factory upgradeable to 1Gb. Optional second 10/100
Sound	AC'97 compatible sound controller
Industrial Devices	Hardware monitoring POST Code Diagnostics
BIOS	AMI®
Battery	Removable lithium battery for CMOS memory
Power Connector	ATX 12V power supply connector

Environmental Specifications

CATEGORY	OPERATING	NON-OPERATING
Temperature	0°C to 60°C	-40°C to 85°C
Humidity	5 to 95% @ 40°C non-condensing	5 to 95% @ 40°C non-condensing

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- 400MHz Front Side Bus
- Intel® Extreme Graphics
- 10/100 and Gb Ethernet options
- Built-in AC'97
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