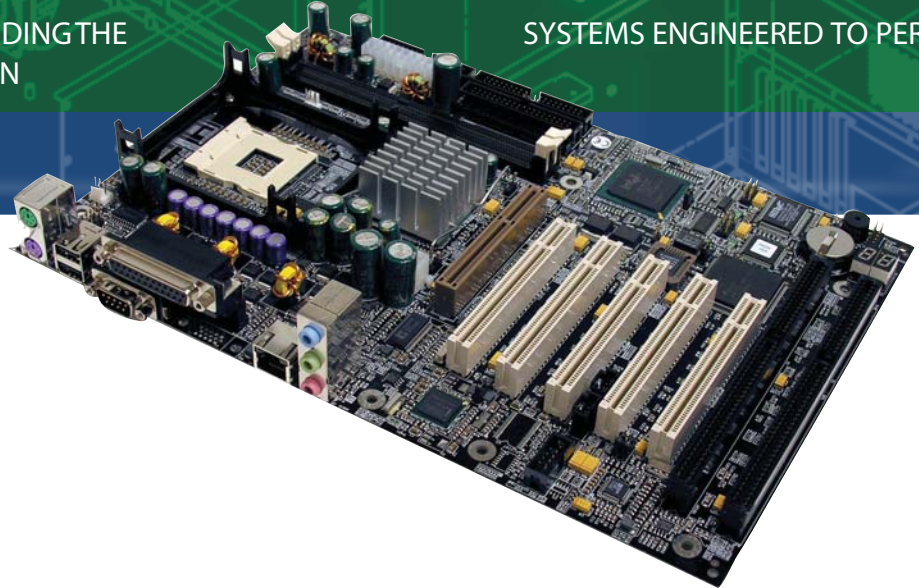


# ATXP-845G

LONG-LIFE ATX MOTHERBOARD FEATURING INTEL® EXTREME GRAPHICS

LATEST HIGH PERFORMANCE EXTENDING THE  
LONGEVITY OF YOUR LEGACY DESIGN

SYSTEMS ENGINEERED TO PERFORM™



## PRODUCT HIGHLIGHTS

- Intel® Pentium® 4 processor
- Intel® 845GE chipset
- 400/533MHz Front Side Bus
- 10/100 and Gb Ethernet Options
- AGP 2x/4x
- USB 2.0
- Built-in AC'97 Sound
- Five (5) To Eight (8) Year  
Guaranteed Production

## The ATXP-845G™

is a powerful Intel® Pentium 4® processor based industrial motherboard for embedded applications. This design utilizes the Intel® 845GE chipset to deliver maximum processing performance, powerful graphics options, latest USB standard, and multiple I/O in a single ATX (8.2"x12") design.

## APPLICATIONS

- Medical
- Factory Automation
- Industrial PCs
- Semiconductor Equipment
- Imaging Products
- Security and Surveillance
- Robotics
- Test and Measurement
- Networking

The ATXP-845G boasts an impressive list of features which includes: support for latest Intel® Pentium® 4 processors, six (6) hi-speed USB 2.0 ports, five (5) 32-Bit PCI slots, onboard VGA with ADD support, onboard Ethernet configurable to 1Gb, one (1) 44-pin connector for flash disks or other IDE devices, and onboard sound.

The ATXP-845G is custom-designed to meet a diverse range of embedded computing requirements across a wide spectrum of device categories, including medical, networking, security, and factory automation, serving vertical market segments ranging from the pharmaceutical and semiconductor industries to printing, test and measurement, textile manufacturing and industrial robotics.

## 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.



# ATXP-845G

LONG-LIFE ATX MOTHERBOARD FEATURING INTEL EXTREME GRAPHICS

## TECHNICAL SPECIFICATIONS

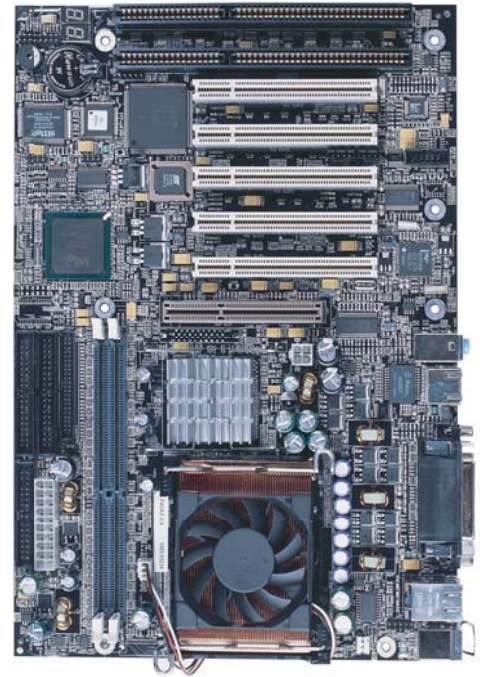
Form Factor	ATX 8.2" x 12.0"
Microprocessor	Intel® Pentium® 4 processor (Socket mPGA478)
Chipset	Intel® 845GE chipset
Front Side Bus	400/533MHz
System Bus	Five (5) PCI slots (32-bit/33MHz) Two (2) ISA slots (one (1) shared) (16-bit/8MHz)
On board I/O	Two (2) 40-pin ATA/100 EIDE connectors One (1) 44-pin ATA/100 EIDE connector (sharing secondary IDE) Two (2) RS232 serial ports, one factory configurable to RS422 Six (6) hi-speed USB 2.0 ports (USB 1.1 compatible) 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 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 333/266 SDRAM
Ethernet	One (1) 10/100 ethernet, factory upgradable to 1Gb. Second optional 10/100 (factory upgradable)
Sound	AC'97 compatible sound controller
Industrial Devices	POST Code Diagnostics Hardware Monitoring
BIOS	AMI®
Battery	Removable lithium battery for CMOS memory
Power Connector	ATX12V power supply

## Environmental Specifications

CATEGORY	OPERATING	NON-OPERATING
Temperature	0°C to 55°C	-40°C to 85°C
Humidity	5% to 95% @ 40°C non-condensing	5% to 95% @ 40°C non-condensing

## PRODUCT HIGHLIGHTS

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- AGP 2x/4x
- USB 2.0
- Built-in AC'97 Sound
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