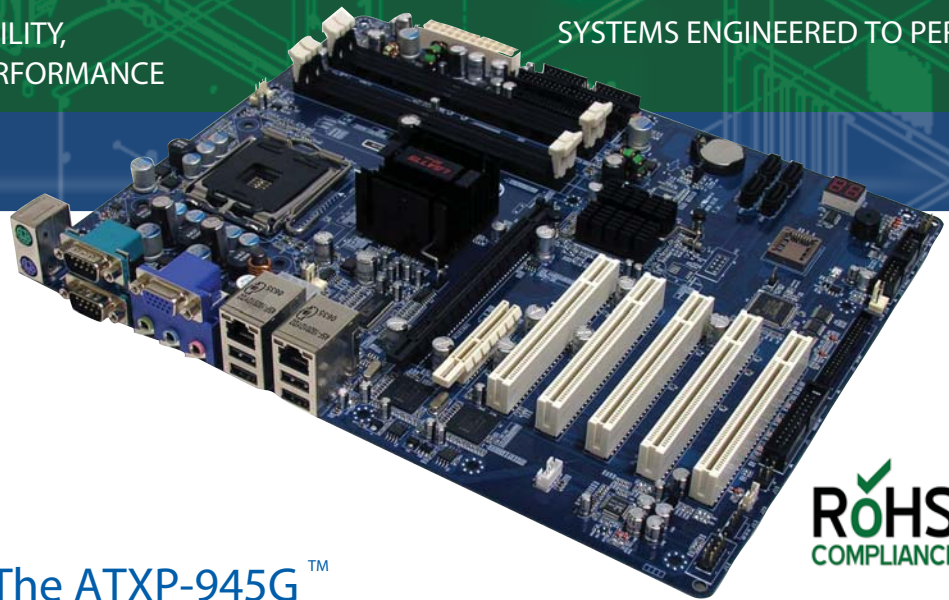


# ATXP-945G

## LONG-LIFE ATX MOTHERBOARD FEATURING PCI EXPRESS

DELIVERING BEST IN CLASS SCALABILITY,  
OFFERING LONG LIFE AND HIGH PERFORMANCE

SYSTEMS ENGINEERED TO PERFORM



### PRODUCT HIGHLIGHTS

- Intel® Pentium® 4 and Celeron® D embedded processors
- Intel® Pentium® D commercial processors
- Intel® 945G Express chipset
- Dual PCIE Gigabit Ethernet options
- Up to 4GB of Dual Channel DDR
- Quad Serial ATA II (300MB/s) RAID 0/1
- Five (5) To Eight (8) Year Guaranteed Production

### The ATXP-945G™

is a long-life industrial motherboard with dual-core processor technology and PCI Express. Powered by the Intel® Pentium® 4 and Celeron® D embedded processors and the Intel® 945G Express chipset. The ATXP-945G was designed specifically for performance intensive industrial applications such as Medical, Security, Imaging, Industrial Automation, and Manufacturing.

### APPLICATIONS

- Medical
- Security
- Imaging
- Industrial Automation
- Manufacturing

The featured PCI Express x16 dedicated graphics slot supports the latest high performance graphics cards, delivering over 3.5 times traditional AGP 8X. This feature is ideal for graphic intensive embedded computing applications. The featured PCI Express x4 is capable of transferring 2 GB/s, up to 3.5 times faster than standard PCI architecture.

The ATXP-945G supports four (4) Serial ATA connectors (300MB/s) for high-speed hard disk drives, eight (8) USB 2.0 ports, one (1) or two (2) PCI Express-based 10/100/1000 ethernet ports, Intel® High Definition Audio/AC'97 Audio and onboard Intel® Graphics Media Accelerator.

Standard features include five (5) 32-bit PCI slots for legacy devices, two (2) PATA/100 EIDE connectors, two (2) or four (4) RS232 serial ports (factory configurable to RS422), one (1) parallel port, one (1) PS/2 mouse/keyboard connector and a floppy controller.

### 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-945G

LONG-LIFE ATX MOTHERBOARD FEATURING PCI EXPRESS

## TECHNICAL SPECIFICATIONS

Form Factor	ATX (9.6" x 12.0")
Microprocessor	Embedded :Intel® Celeron® D, Intel® Pentium® 4 with Hyper-Threading Technology and Intel® Pentium® 4 processor (LGA775) Commercial: Intel® Pentium® D processor
Chipset	Intel® 945G Express + ICH7R
Front Side Bus	533/800/1000MHz
System Bus	One (1) PCI Express x16 dedicated graphics slot One (1) PCI Express x4 slot Five (5) 32-bit PCI slots
On board I/O	Four (4) SATA2 connectors (300MB/s) Intel® Matrix Storage Technology supports RAID 0/1/5/10. One (1) 40-pin PATA/100 EIDE connector One (1) 44-pin PATA/100 EIDE connector (shared with 40-pin connector) Eight (8) USB 2.0 ports, four (4) connectors, four (4) USB headers Two (2) or four (4) RS232 serial ports standard (DB9 interface) one (1) factory configurable to RS422 Infrared support on COM2 through header One (1) PS/2 mouse/keyboard connector One (1) floppy connector (supports two drives)
Video Graphics	One (1) PCI Express x16 dedicated graphics slot. Single DB15 connector interface for onboard integrated graphics utilizing Intel® Graphics Media Accelerator 950 (Maximum resolution 2048 x 1536 @ 75Hz)
Memory	Four (4) DIMM sockets support up to 4GB of dual channel DDR2 667/533MHz memory
Ethernet	One (1) or two (2) onboard PCI Express-based 10/100/1000 ethernet ports. Both ports support Wake-on-LAN
Sound	Intel® High Definition Audio/AC'97 Audio Microphone in, Stereo line out, Stereo line in jacks on I/O back-panel, AUX in and CD in on headers
Industrial Devices	Hardware monitoring including fans CPU temperature and voltages POST display for diagnostics
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

- Intel® Pentium® 4 and Celeron® D embedded processors
- Intel® 945G Express chipset
- 533/800/1000MHz Front Side Bus
- Dual PCIE Gigabit Ethernet options
- Up to 4GB of Dual Channel DDR 667/533/400
- Quad Serial ATA II (300MB/s) RAID
- Five (5) To Eight (8) Year Guaranteed Production



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