RTG

Ross Technologies Group, LLC

Featuring Technology from Intel and Radisys

Preliminary
DATA SHEET

7580-PL6 Industrial Computer

A Versatile, High Performance System for Demanding Physical Environments

Overview

Count on these highly versatile and high-performance systems to deliver superior reliability around the clock, even in demanding physical environments.

Industrial and commercial applications require superior computer hardware. The model 7580 is designed to meet these challenges.

The 7580 provides an open computing platform and is ideal for use in telecom, government, medical, commercial and industrial unattended applications.

These computers provide the mounting flexibility necessary to allow a single platform to meet all your application requirements.

Mounting configurations include bench, rack, or floor.

What's New

The new 7580-PL6 model provides customers with:

High-end P4 800 MHz next generation Intel Prescott processor combined with the latest Intel D915 Chipset.

The Intel Graphics Accelerator 900 video designed to allocate up to 222M of video memory for stunning integrated graphics.

Increased memory level support up to 4G of 533 MHz DDR2 memory

Improved integration utilizing "all-in-one" ATX architecture combining video, networking, and audio.

Improved industrial chassis with front USB access.

ADDITIONAL FEATURES

- 24 x 7 reliability
- 2-5 year Long-Life architecture
- 2 year warranty*
- Improved component accessibility
- (desk, tower, rack) mounting options
- Industrial cooling and filtration
- Intel based High performance electronics
- Shock mounting and hold down bar

PRODUCT POSITIONING

The model 7580 provide an outstanding combination of price, performance, and versatility.

These systems deliver the speed and solid functionality needed for demanding applications. The 7580 offers the flexibility of a choice of system boards from the legacy PL3 to the latest Intel technology. The new 7580-PL6 features Intel's latest Pentium 4, LGA775 3.0 GHz processor, 800 Mhz FSB, up to 4GB (512M std) DDR2 533 memory, EIDE and faster SATA hard disk drive access, and Intel extreme media Accelerator 900 3D graphics. System monitoring of temperature and fan operation is provided for even higher levels of system reliability and certification. Ethernet, stereo audio, and 8 USB ports are also fully integrated.

ORDERING INFORMATION

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Model	7580-PL3	7580-PL5	7580-PL6
Part Number	7580-PL3	7580-UL5	7580-PL6
System Board	ATX GL815E	ATX D845GEV2L	ATX D915GEVL
Processor	Pentium III	Pentium 4	Pentium 4 (Prescott)
Speed	866 MHz	2.4 GHz	3.0 GHz
Bus Speed	133 MHz	533 MHz	800 MHz
User Slots: PCI	4	6	4
PCI/ISA	1	0	0
ISA	1	0	0
AGP	1 (4x)	1 (8x)	0
PCI Express	0	0	1 (x16) 2 (x1)
Memory	256 MB 133 MHz	512MB DDR 333 MHz	512MB DDR2 533 MHz
Max Memory	512 MB	2MB	4MB
L2 Cache	512 KB	512 KB	1 M
Video	Intel 815E 3D graphics	Intel 845GE 3D Graphics	Intel Media Accelerator 900 Graphics
Video Memory	12 MB aperture on AGP	64 MB max	222 MB max
Ethernet	Yes	Yes	Yes
Hard Drive	40 GB EIDE	80GB	120GB SATA
CD-ROM	40x -17x	52x -17x CD-R/W	52x -32xCD-R/W
Open 3.5" Bay	1	1 Front, 2 Internal	1 Front, 2 internal
Open 5.25" Bay	2	2	2
Power Supply	330W auto ranging	330W auto ranging	330W auto ranging
Filtered Fans	Yes	Yes	Yes
Temperature	0-50 degrees C	0-50 degrees C	0-50 degrees C
Humidity	5-95% non-condensing	5-95% non-condensing	5-95% non-condensing
Extended Shock	HDD shock mounting included, hold down bar	HDD shock mounting included, hold down bar	HDD shock mounting included, hold down bar
Orientation	Desk, tower, rack	Desk, tower, rack	Desk, tower, rack
Mounting kits	Rack optional	Rack optional	Rack optional
Keyboard/ mouse	included	included	included
Ports	2 serial, 2 USB, 1 parallel, audio in, audio out, m i-crophone	1serial, 6 USB, 1 parallel, 2 EIDE, audio in, audio out, microphone	1 serial, 8 USB, 1 parallel, 1 EIDE, 4 SATA, audio in, audio out, microphone
Limited Warranty	2 year*, mail in	2 year*, mail-in	2 year*, mail-in
Watchdog Timer	optional	optional	optional
Width	430 mm (16.94 in)	430 mm (16.94 in)	430 mm (16.94 in)
Height	174 mm (6.81 in)	174 mm (6.81 in)	174 mm (6.81 in)
Depth	490 mm (19.94 in)	490 mm (19.94 in)	490 mm (19.94 in)
Weight	20 kg (44 lb.)	20 kg (44 lb.)	20 kg (44 lb.)
certifications	UL1950, CSA950, IEC 950, FCC Class A and CE	UL1950, CSA950, IEC 950, FCC Class A and CE	Currently in process UL1950, CSA950, IEC 950, FCC Class A and CE