Industrial 4U Server/Workstation

The Model 7581 industrial computer combines high end performance with a rugged design for demanding environments. The universal chassis allows a variety of mounting orientations including; desk, tower, or 19" rack. Industrial features such as; hold down bar, high volume cooling fans, filter, and shock mounted media compartment, improve system operation and reliability.

The UL4 expands the PL6 platform, adding a watchdog card, key lock switch plate, and high capacity fans for extended fire and security recognitions.

PL6 Standard Features:

P4 3.2GHz processor, 512M DDR2 Ram, 120GB HD, FDD, CD R/W or DVD R/W optical drives, 300Watt ATX power supply, 3-4PCI expansion slots, Integrated graphics, audio, and Ethernet, keyboard & Optical mouse.

UL4 Extended Features:

○ 0-50 degree C operation, with filtration and card hold down bracket
○ Key lock for power on/off and Power, HDD, WD Status
○ High volume CFM fans
○ Intelligent watchdog monitoring & fan control for quiet cool operation

Optional hardware includes, 19" rack mounting kit & rails, LCD touch monitor, external speaker, additional hard drives and memory.

RTG; providing the right technology for the job. Supplying engineered computing platforms, based on knowledge and experience.

At a Glance

UL 864 Fire & 1076 Security
Rugged & Functional Design
Intel motherboard & P4 Processor
Desk, tower, rack mounting options
Additional cooling & filtration
Drive media shock mounting
Hold down for expansion cards
Watchdog card, fan control UL4 version
2 year warranty

Watchdog monitoring circuitry for critical operation

7580-PL6/UL4 Specifications

FEATURE	FUNCTION	DESCRIPTION
Processor	Socket	3.2 GHz Intel® Pentium® 4 processor in an LGA775 socket with 800 MHz system bus
Chipset		Intel® 915
Memory	Type Capacity	Up to 2G DDR memory, 512M, 1GB DDR2, 533Mhz , upgradeable to 2GB
Video	Controller	Intel® GMA900 onboard graphics subsystem, up to 224M shared video Additional PCI express video slot for dual video or alternative video adapters
Audio	Controller Connectors	Intel® High Definition Audio subsystem using the Realtek ALC860 audio codec. Mini Stereo: Line-In, Line-Out, Microphone-In
Network	Controller Connector	10/100 Mbits/sec LAN subsystem using the Intel® 82562EZ Platform LAN Connect (PLC) device
SATA EIDE	Devices Hard Disk Drive CD R/W Types	120GB SATA, 7200RPM Hard Drive Teac 52x32x52 CD-R/W or Pioneer DVD-R/W 16X DVD+R 8X DVD+RW 40X CD-R 32X
Floppy	Types	1.44 MB 3.5" floppy dive
Mechanical	Dimensions	Width Rack mtg: 483mm (19 inches) Width Desk or tower: 430.3mm 16.94 inches Depth: 510mm (20 inches) Height: 177 mm (6.97) Weight: approx (50.0 Lbs) (actual weight depends on installed options)
I/O	USB Serial Ports Parallel Port SATA EIDE FDD PS/2 ports	Eight USB 2.0 ports One serial port One parallel port Four Serial ATA interfaces One parallel ATA IDE interface with UDMA 33, ATA-66/100 support One diskette drive interface PS/2 keyboard and mouse ports
Expansion Slots	PCI PCI express	Four PCI Conventional* bus add-in card connectors (SMBus routed to PCI Conventional bus connector 2) Two PCI Express* x1 bus add-in card connectors One PCI Express* x16 bus add-in card connector UL4 uses PCI slot 2
System Management	Integrated Watchdog Timer	Monitoring of voltage, temperature and fans 2-4 system fans and CPU heat sink fan (no watchdog on PL6)
Power Supply	Type Typical	Support for hard– and soft– switched PSU, 300W AC 100W