

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Ribbon / Performance Technologies / Ziatech ZT 5524e* at our website: *Click HERE*

PERFORMANCE TECHNOLOGIES

IPnexus®

ZT 5524e

Single Board Computer



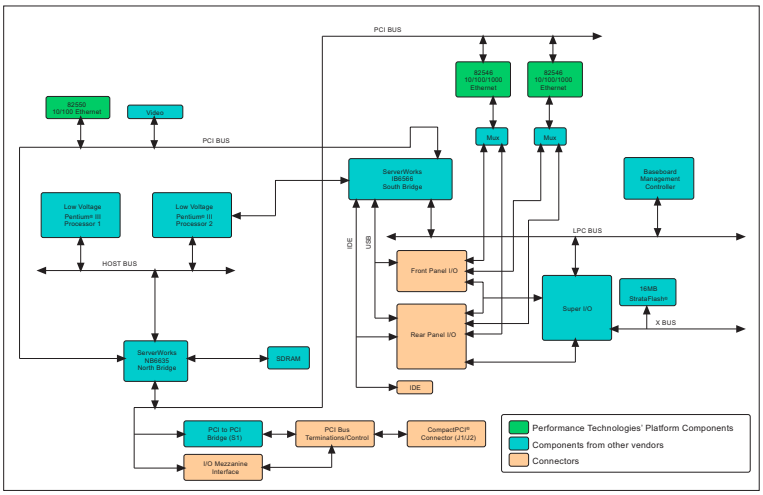
Highlights

- Single or Dual 1GHz Intel® Pentium® III Processors Support Symmetric Multiprocessing in a Single CompactPCI® Slot
- Integrated 512KB Layer2 Cache
- ServerWorks® LE Chipset
- 33/66MHz, 64-bit CompactPCI System Bus Interface
- Supports up to 4GB, PC133 SDRAM Memory
- 16MB Onboard Flash Memory Contains Field-Upgradeable Bios and Provides Space for User Programs
- Single 10/100Mb/s Ethernet Interface (Front Panel Only)
- Dual 10/100/1000Mb/s Ethernet Interfaces (Front Panel and Backplane)

This high-performance, standards-based building block is designed for carrier-grade telecom and Internet applications requiring exceptional processing power and high availability. The dual-processor/Redundant Host ZT 5524*e* board is PICMG® 2.16-compliant and offers configurable high availability, I/O expansion and 66MHz CompactPCI® bridging features. A generous set of onboard embedded features and reliable, off-the-shelf architecture address the integration and reliability requirements of OEM systems builders. Support for major operating systems, including real-time software, speeds application development.

An optional mezzanine/bridge card, the ZT 4901*e* provides dual 64/66MHz PMC slots, CompactPCI bus-segment bridging at 33MHz or 66MHz, and dual Fibre Channel interfaces. With the addition of the mezzanine/bridge card, the ZT 5524*e* Single Board Computer supports high availability Redundant Host operation in the ZT 5085*e* 12U Redundant Host Packet-Switched Platform. The ZT 5524*e* coupled with the mezzanine/bridge card also supports 66MHz CompactPCI bus-segment bridging in the ZT 5088*e* 12U General Purpose Packet-Switched Platform.

The single-slot ZT 5524*e* board is part of our IPnexus® family of embedded packet products and is also designed to interoperate with any third-party PICMG 2.16-compatible boards.



© 2005 Performance Technologies. All rights reserved. 04/19/05.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

IPnexus®

ZT 5524*e*

Single Board Computer

Highlights

>> **Accepts 2.5" Low-Profile, Board Mounted EIDE Hard Drive or Optional CompactFlash® Type II Drive Carrier**

>> **Standard Memory and Hard Drive**

>> **Optional ZT 4901*e* Mezzanine/Bridge Card Provides Dual 64/66MHz PMC Slots, CompactPCI Bus-Segment Bridging at 33 or 66MHz and Dual Fibre Channel Interfaces**

Product Interoperability

The ZT 5524*e* processor board is designed to interoperate with the following building blocks (see individual product briefs for details):

Platforms

- ZT 4901*e*: Mezzanine card providing CompactPCI bus-segment bridging at 33 or 66 MHz, dual PMC slots and dual Fibre Channel interface
- ZT 5085*e*: 12U Redundant Host Packet-Switched Platform with 18 node slots, two fabric slots, PICMG 2.16-compliant midplane, two chassis management modules
- ZT 5088*e*: 12U General Purpose Packet-Switched Platform with 18 node slots, two fabric slots, PICMG 2.16-compliant midplane, two chassis management modules
- ZT 5091*e*: 4U Packet-Switched Platform with seven node slots, one dedicated fabric slot, eight rear transition modules slots, one chassis management module

Ethernet Switches

- IPnexus switches: 10/100/1000 switches capable of fulfilling the promise of the PICMG 2.16 standard

Management

- CPC7301: Intelligent shelf manager (ISM)

Components

- ZT 4807*e*A: Rear panel transition board
- RTM4808A: Rear panel transition board
- ZT 90231: PS/2 to XT keyboard adapter

Contact Information

Performance Technologies
205 Indigo Creek Dr.
Rochester, NY 14626
Tel: 585-256-0200
Fax: 585-256-0791
E-mail: sales@pt.com

www.pt.com

© 2005 Performance Technologies. All rights reserved. 04/19/05.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

PERFORMANCE TECHNOLOGIES

IPnexus®

ZT 5524e

Single Board Computer

Ordering Information

The ZT 5524e Single Board Computer may be ordered with the following options:

>> Base Board

B1: Single 1GHz Intel Pentium III processor, IPMI, AGP
B2: Dual 1GHz Intel Pentium III processor, IPMI, AGP

>> Memory

M1: 512MB PC133 SDRAM with ECC
M2: 1GB PC133 SDRAM with ECC

>> Hard Drive/CompactFlash Carrier

H0: No hard drive or CompactFlash carrier
H1: EIDE hard drive
H2: CompactFlash carrier

>> I/O Expansion Mezzanine (Requires Second Slot)

X0: No mezzanine
X1: Dual PMC with Fibre Channel

Contact Information

Performance Technologies
205 Indigo Creek Dr.
Rochester, NY 14626
Tel: 585-256-0200
Fax: 585-256-0791
E-mail: sales@pt.com

www.pt.com

Specifications

The ZT 5524e is compliant with the following specifications:

- Compliant with PICMG 2.0 R3.0 (CompactPCI) and PICMG 2.1 R2.0 (Hot-Swap) Specifications
- Compliant with PICMG 2.16 (Packet-Switched Backplane) and 2.9 (CompactPCI System Management)
- Designed for NEBS Level 3 and ETSI installations
- Compliant with the standard IPMI v1.5 specification

Power

Dual 1GHz 1GB SDRAM Current (A)

Single 1GHz 1GB SDRAM Current (A)

Voltage (VDC)	Typical	Max.	Typical	Max.
5V, +5%, -3%	5.1	7.2	3.1	3.5
3.30 V, +5%, -3%	5.0	7.0	5.0	7.0
12V, ±10% 0.3	10mA	100mA	10mA	100m

Environmental

- Required airflow: 250 linear feet per minute (LFM)
- Operating temperature: 0º C to 45º C
- Storage temperature: -40º C to +85º C
- Non-condensing relative humidity: less than 95% at 40º C

Peripherals & I/O Interfaces

I/O Interface	Front Panel	Rear Panel	Compat.
GB Ethernet (2X)	RJ-45	J3	82546
10/100 Ethernet	RJ-45	N/A	82550
COM 1	RJ-45	J5	16C550-compatible
COM 2	N/A	J5	16C550-compatible
PCI Video	D-Sub 15-Pin	J5	SMI 712 PCI
Keyboard	6-Pin mini-DIN†	J5	PS/2-compatible
Mouse	6-Pin mini-DIN†	J5	PS/2-compatible
Floppy	N/A	J5	ATA-100
EIDE	N/A	J5	
USB	4-pin USB, port 0	J5	

† Combination PS/2 mini-DIN connector

Note: To provide proper cooling to the ZT 5524e, each unused slot in the chassis should be populated with an air management blade. All rear slots should be populated with a rear filler panel. See the list below for orderable components:

- To cover a single rear panel slot, use a filler panel that is 6U x 4HP (horizontal pitch=0.2") (PN 18299).
- To cover six rear panel slots, use a filler plate that is 6U x 24HP (PN 20434).
- To fill a front slot, use an air management blade that is 6U X 4HP (PN 20456).
- To fill a power supply bay, use an air management blade that is 3U X 8HP (PN 20455).
- To fill an SM slot, use a filler panel that is 3U X 4HP (PN 18309).

© 2005 Performance Technologies. All rights reserved. 04/19/05.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP