



- Interclipse T1263
- Interclipse T1268

HIGHLIGHTS

- Latest Intel® 5600 Series Processor
- Up to 192GB DDR3 Memory
- High-density, High-performance Internal Storage
- Energy Efficient without Sacrificing Performance
- Virtualization Ready

T1260 Series Servers®

Next Generation Server Architecture

The Interclipse T1260 Series Servers® are designed for high-density compute power in a 1U rack chassis. These high performance versatile servers feature the latest generation of Intel® multi-core Xeon® processors, advanced memory, high speed PCI Express 2.0 I/O slots, and flexible high throughput RAID configurations. The Interclipse T1260 Series Servers® were engineered to simplify data center operations through its advanced virtualization and system management technology. Interclipse delivers 1U servers that are ideal for local and remote data centers that require dense performance with a low total cost of ownership.



Picture of the T1263

Optimized for Virtualization

Driven by Intel®, the Interclipse T1260 Series Servers® feature an architecture that enhances virtualization performance with innovative hardware-assist technologies that involve all elements of the server, including the processor, chipset, and network adapter. Compared to previous generation servers, the T1260 Series Servers® maximize server utilization, provide headroom for growth, and provide increased manageability, security, and flexibility that modern IT environments demand. Enable your virtualization by choosing from any of the market leading hypervisors such as VMware®, Microsoft®, Citrix® or any of the popular Open Source products.

Latest Multi-Core Technology

The Interclipse T1260 Series Servers® are powered by the Intel® Xeon® 5600 series processors, codenamed Nehalem. The Nehalem processor delivers performance that adapts to application needs, intelligently scales energy use to performance demands, and offers best-in-class virtualization. Ideal for businesses of all sizes the Intel® 5600 series can automatically increase processor frequency when needed and reduce power during low use times.



Energy Efficient

The Interclipse T1260 Series Servers® are engineered to be energy efficient without sacrificing performance through the use of the Intel® Intelligent Power Node Manager, efficient power supplies that are sized to match the system requirements, and a power sensitive architecture. These technologies allow for a reduction in power and cooling costs while increasing rack density with policy-based power and thermal management.

Simplified Management

A next generation set of tools are available in order to streamline server setup and management. These include the Intel® Server Deployment Toolkit, the Intel® System Management Software, and the Intel® Remote Management Module. These are standards-based products focused on increasing IT efficiency and increasing the overall return on investment. Talk to your Interclipse account manager to see which options best suits your needs.



T1260 Series Servers® Technical Specifications

Processor

- Dual 1366-ping LGA Sockets
- Supports up to two Intel® 64-bit Xeon® 5600 series (Nehalem) processors
- Provides up to 6.4GT/s with Intel® QuickPath Interconnect
- 8MB shared cache
- Supports Intel® DBS (demand based switching) and Intel® VT (Virtualization technology)
- Supports Turbo Boost Mode on select processors

Chipset

- Intel® 5520 (Tylersburg) with ICH10R chipset

Memory

- Twelve (12) 240-pin DIMM sockets
- Supports up to 192GB 1333/1066/800MHz DDR3 ECC Registered memory
- Supports up to 48GB 1333/1066/800MHz DDR3 ECC Unbuffered memory
- Supports memory mirroring
- DIMM Sizes: 1GB, 2GB, 4GB, 8GB, 16GB
- Corrects single-bit errors
- Detects double-bit errors using ECC memory
- Supports Intel® x4 and x8 Single Device Data Correction (SDDC)

Memory RAS Features

- Channel-Independent Mode
- Channel-Mirroring Mode
- Demand Scrubbing Mode
- Patrol Scrubbing Mode

Expansion Slots

- One (1) PCI Express 2.0 x16 bus speed slot
- One (1) PCI-Express x8 bus speed slot via Intel® I/O Expansion Module

Integrated Network Controller

- Embedded Intel® Dual Gigabit Controller 82575EB with Intel® Virtualization Technology

Drive Bays

- *Interclipse T1263 Server*: Three Hot Swap 3.5" SAS/SATA HDDs
- *Interclipse T1268 Server*: Eight Hot Swap 2.5" SAS/SATA HDDs
- Optional DVD-ROM or DVD+/-RW

Storage

- Six SATA ports (3 Gbps) via ICH10R with Intel® Embedded Server RAID Technology
- Modular SAS RAID solution via Intel® I/O expansion module options

RAID Support

Integrated

- Intel® Embedded Server RAID Technology with host-based SW RAID levels 0/1/10; Optional SW RAID 5 with activation key

Optional

- Intel® SAS Module AX4SASMOD with SAS and RAID 0, 1, 1E, 10, 5 and Intel® RAID Module SR0MBSASMR with RAID 0, 1, 5, 6, 10, 50 and 60 offer value above a traditional add-in card.
- Validated Intel® RAID Controllers

Hard Drive Options

- Solid State Disk (SSD) up to 512GB
- SAS 15K RPM up to 600GB
- SATA 3.0Gb/s 5900RPM with 32MB cache up to 2.0TB
- SATA 3.0Gb/s 7200PM with 64MB cache up to 2.0TB
- SATA 3.0Gb/s 10K RPM with 16MB cache up to 600GB

Optional I/O Expansion Modules

- Dual Gigabit Ethernet based on Intel® 82571EB
- 4 port external SAS (based on LSI® 1064e)
- Single port InfiniBand® (Mellanox® SDR)
- Dual-port 10 Gigabit Ethernet based on Intel® 82599EB
- Quad-port Gigabit Ethernet based on Intel® 82576EB
- Single port InfiniBand® (based on Mellanox® QDR)
- Internal SAS and SAS RAID

Integrated Graphics

- Onboard Server Engine® LLC Pilot II® Controller with 64 MB DDR2 memory, 8MB allocated to graphics

Management Hardware

Integrated IPMI 2.0 motherboard management controller

- Fan speed control
- Diagnostic LEDs

- Temperature monitoring and recovery
- SMASH CLP (command line protocol)
- Email alerting
- Power management with Intel® Intelligent Power Node Manager

Optional Intel® Remote Management Module (RMM3)

- KVM & Virtual Media redirection
- Dedicated 3rd NIC
- Remote Power on/off
- Embedded Web UI
- Event log and configuration

Management Software

Intel® Deployment Assistant 3.0

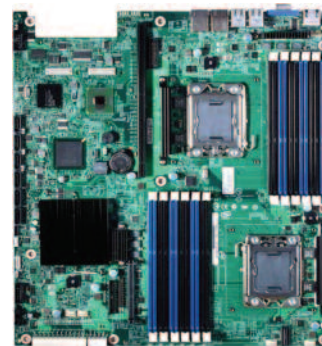
- Wizard based UI to deploy, configure and update server
- BIOS, BMC and RAID array configuration
- Unattended OS install
- Online patch updates

Intel® Server Management Software 3.X

- View critical or warning events
- Power on/off/reset
- View sensor (fan speeds, temperature, power)
- Full IPMI 2.0 interface
- Chassis Intrusion detection
- Serial Over LAN (Text Console Redirection)

Operating Environment / Compliance

- RoHS Compliant 6/6, Pb Free



T1260 Series Servers® Chassis Specifications



Picture of the T1263



Picture of the T1268

| Model | T1260 Series Servers® |
|-----------------|--|
| Case Type | 1U Rack Mount |
| Case Dimensions | 1.7" (H) x 16.9" (W) x 27.19" (D) 43.3 mm x 430 mm x 690.6 mm |
| Drive Bays | <i>Interclipse T1263 Server</i> Three Hot Swap 3.5" SAS/SATA HDDs Bays <i>Interclipse T1268 Server</i> Eight Hot Swap 2.5" SAS/SATA HDDs Bays One SATA Slim Optical Drive Bay |
| Expansion Slots | 2 |
| Cooling System | 5 Non Redundant Dual Rotor Cooling Fans |
| Power Supply | <i>Interclipse T1263 Server</i> 600-watt High Efficiency Fixed AC Power Supply <i>Interclipse</i> <i>Interclipse T1268 Server</i> 650-watt 1+0 High Efficiency , Hot Swap, Redundant Capable AC Power Supply |
| Form Factor | SSI EEB-leveraged (12" x 13") |
| Gross Weight | 46 lbs (20.9 kg) |
| Motherboard | Intel® Server Board S5520UR |
| Front Panel | <p>Buttons Power/Sleep Button System Reset Button (<i>T1263 Only</i>) System ID Switch (<i>T1268 Only</i>) NMI Button</p> <p>LEDs Power LED Hard Drive Activity LED (<i>T1263 Only</i>) System Status LED Two Integrated NIC LEDs (<i>T1263 Only</i>) System ID LED (<i>T1268 Only</i>)</p> <p>Ports Bootable USB 1.1 Port One VGA Port (<i>T1263 Only</i>)</p> |

Operating Systems



redhat. Red Hat® Enterprise Linux® 5



Genuine Windows® 7 Professional 64-Bit

Genuine Windows® 7 Ultimate 64-Bit

Genuine Windows® 7 Professional 64-Bit with Downgrade Rights Service to Windows® XP Professional SP3

Genuine Windows® 7 Ultimate 64-Bit with Downgrade Rights Service to Windows® XP Professional SP3

Genuine Windows® 7 Professional 64-Bit (available with XP Mode)

Genuine Windows® 7 Ultimate 64-Bit (available with XP Mode)



Novell® SUSE® Linux Enterprise Server 11



CentOS 5 64-Bit

Hypervisors (Optional)

VMware vSphere 4

VMware ESXi™

Microsoft® Windows Server® 2008 with Hyper-V™

Citrix® XenServer®

Interclypse Support¹

Interclypse Professional Support begins before your purchase is made! Our goal is to ensure a trouble-free experience. Interclypse provides professional support services designed to ensure technology is available to solve your IT challenges, not be part of them.

Interclypse Professional Support:

Interclypse professional support is designed to meet your level of expertise to include:

- US based Telephone Support
- Easy to access On-line Support
- Customizable On-site Support with fully cleared engineers
- Streamlined Escalation management Policy with direct access to Interclypse Management

Keep Your Hard Drive²:

In the event of a disk failure, Interclypse provides a service to keep your hard drive to ensure you can control your sensitive data and comply with data privacy regulations.

On-site Options:

Interclypse provides On-site options to allow you to augment your existing IT staff for critical programs that require specific technical expertise for short durations in order to ensure a successful outcome.

1. For a copy of the Limited Warranty, write Interclypse, Inc., Attention Warranties, 8202 Hortonia Point Drive Millersville, MD 21108 or visit <http://www.interclypse.com/warranty>.
2. The defective hard drive must still be covered by the hardware limited warranty.



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passion • technology • solutions

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