

Impressive specification in a flexible modular system

The unique wireless, space-efficient server solution:

The Magnia Z300 concept

Magnia Z300	
Model	System Unit
Processor	Intel® Pentium® III 866 MHz, 1GHz
Standard (Maximum)	1 Std. (2 max.)
L1 (L2) Cache	32 KB (256 KB)
Chipset	VIA Apollo Pro133A
Standard (Maximum) memory	128 MB (3 GB) PC133 Registered SDRAM with ECC
IDE Hard Disk Drive Bays	Two Ultra DMA100 hot-swap 3.5"/25 mm bays
Maximum Internal Storage	152 GB (2 x 76 GB)
IDE RAID	AMI MegaRAID-IDE on board
RAID Levels	RAID levels 0,1
CD-ROM Drive	Slim type (ATAPI x24)
Network Interface Controller	Two Intel 10/100-baseT on board
Video Controller	S3 Savage IX8 VRAM 8MB
SCSI Controller	One Ultra 160 on PCI riser board
BMC Controller	Standard on board
Keyboard	Standard (optional for rack model)
Mouse	Standard (optional for rack model)
Cooling Fans	Standard, variable speed
I/O Slots	One 64 bit/66 MHz PCI 3.3v (194.63 mm max. card length) One PCMCIA slot (Wireless LAN only)
I/O Ports	One VGA One serial Two USB (front) Two LAN Two PS/2 (keyboard and mouse) One Ultra160 SCSI
Certified Software	Windows NT® 4.0, Windows® 2000, Redhat Linux 7.x, NetWare 4.x/5.x (pending)
Power Input	AC100-240 V 50/60 Hz
Maximum Power Consumption	160 W
Dimensions (W x D x H)	Micro tower: 233 x 426.5 x 99 mm Rack mounted: 219.4 x 425 x 85 mm
Weight	8.5 kg
Warranty	3 years on-site, next day business delivery

Model	Expansion Hard Drive Unit*
	* Only two Expansion Hard Drive Units can be connected to a System Unit by using a 2ch RAID card, i.e. AMI MR493
Number of Bays	Four 3.5"/25 mm hot-swap Ultra 160 SCSI
Maximum Internal Storage	292 GB (4 x 73 GB)
I/O Ports	One SCSI LVDS Two external unit control connector (10 pin)
Management	Fan, temperature, voltage are monitored by system unit via External Unit Control Cable
Power input	AC 100-240 V 50/60Hz
Maximum power consumption	100 W
Dimensions (W x D x H)	Micro tower: 233 x 395 x 99 mm Rack mounted: 219.4 x 395 x 85 mm
Weight	8.4 kg
Warranty	3 years on-site, next day business delivery

Model	Expansion Device Bay Unit*
	* Only two Expansion Device Bay Units can be connected to a System Unit.
Interface	Non intelligent and SCSI Ultra wide
Back-up Devices supported	One DDS4, AIT2
I/O Ports	Two SCSI Ultra wide x2 Two external unit control connector (10 pin)
Management	Fan, temperature, voltage are monitored by system unit via External Unit Control Cable
Power input	AC 100-240 V 50/60 Hz
Maximum power consumption	50 W
Dimensions (W x D x H)	Micro tower: 233 x 395 x 99 mm Rack mounted: 219.4 x 395 x 85 mm
Weight	7.0 kg
Warranty	3 years on-site, next day business delivery

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The world's smallest dual processor server comes with enormous capabilities



Drawing on extensive experience in both the server and notebook arenas, Toshiba has created the Magnia Z 300 – the world's smallest dual processor server. Combining the freedom of wireless networking with expandable modular design, this space-efficient solution supports a wide range of business requirements while also reducing Total Cost of Ownership (TCO).

Designed with world-class industry standard technologies, the Magnia Z300 symbolises Toshiba's unrivalled expertise in meeting the needs of the mobile computer user, helping them to work more efficiently and productively, anywhere and everywhere.

Its versatile modular space-saving design and extensive range of bundled software tools make it ideal for any size of organisation and a wide range of business requirements.

Featuring wireless capability, the Magnia Z300 allows easy construction of a wireless LAN system, and can also be enabled to act as a wireless network access point with no need to purchase additional access point technology.

The ultra-flexible architecture means your business only pays for the components you need, while providing easy, cost-effective expansion to meet changing requirements. At the same time, easy set-up, easy configuration and easy manageability set new standards for low Total Cost of Ownership.

On board you'll find state-of-the-art technology, such as an integrated IDE RAID controller which allows for RAID 0,1 configurations – IDE HDD hot-swap is also available. And, of course, Toshiba's renowned build quality ensures powerful, dependable performance.

It's the server built for the way you do business.

Key concept benefits

- Compact modular design scales to match growing demands
- Wireless-enabled via wireless LAN PC card and bundled software; can act as a network access point
- State-of-the-art technology includes latest Intel® Pentium® III processor up to 1 GHz for outstanding performance; upgradeable to two processors
- Easy to set up, configure and manage for low Total Cost of Ownership

Ultimate wireless freedom

The Magnia Z300 is wireless-enabled, making it a fast, low-cost way to build instant cable-free networks, freeing mobile computer users to work how they want. For example, you can deploy it to support small secure networks for individual workgroups where no network currently exists. Or to set up a larger system in public spaces, such as a meeting room or conference hall, providing simplified connectivity and wireless access to the Internet for anyone with a WiFi™-certified PC.

Operating via an optional wireless LAN PC card, the Magnia Z300 incorporates access point software and can act as a fully functioning access point, eliminating the need to invest in a separate system.

Compact modular design

The Magnia Z300 is built to keep all your future upgrade options open. It comes either as a micro-tower or as a highly space-efficient rack model. Consisting of three types of unit – System Unit, Expansion Disk Unit and Expansion Device Bay Unit – the Magnia Z300 is a first-class solution for a wide range of applications.

As your needs change you can scale the server from a simple unit to a fully managed, reliable system. So you could start with a solution for an individual workgroup or department, and link multiple servers as your network expands.

Despite its powerful capabilities the Magnia Z300 is one of the most space-efficient server systems on the market with a minimal footprint.

- **Ideal file, print and groupware server for small to medium businesses and educational environments**
 - easy set-up and managability give ultimate cost-efficiency, while stackable, expandable design provides ample scope for growth.
- **High-density web server or front-end server for large businesses and departmental deployment**
 - report failure via LCD speeds up maintenance, while wireless connectivity allows fast, efficient remote network management.

Advanced manageability tools

Fundamental to Toshiba's Magnia server series concept – and key to reducing Total Cost of Ownership – is the integration of bundled software that provides total control for the administrator. The Magnia Z300 is good news for busy IT support staff.

Easy set-up and configuration

Toshiba's newly developed Server Setup Tool (SST) ensures easy operating system installation and configuration.

Easy Management

The Magnia Z300 features state-of-the-art software for outstanding manageability. Remote web-based monitoring is supported, as well as multi-platform management; both Windows and Linux machines can be maintained with the same software. Functions controlled by the web-based management viewer include remote power on/off and system reset, alert of system failure and inventory information collection.

Cutting-edge technology

Despite its compact size, the Magnia Z300 in-corporates high-performance technology that delivers ultimate power and functionality to en-sure continuous data availability. You'll find generous storage options, the fastest hot swappable hard disks, plus plenty of scope to upgrade and scale up as requirements change.

Key hardware benefits

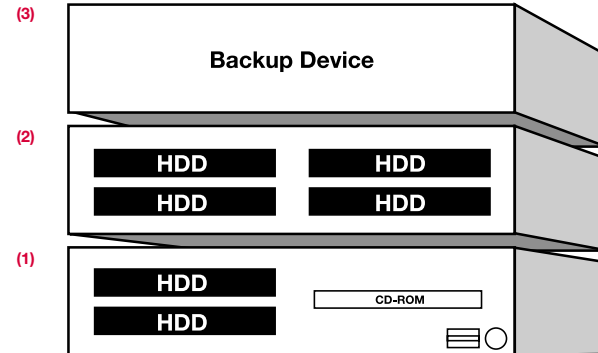
- **Space-efficient modular design**
 - multiple units can be located on one shelf in a standard 19" rack
- **High-performance Intel® Pentium® III with 1 GHz clock rate (PC133 FSB)**
 - up to two CPUs for heavy-duty processing power in a compact format
- **High-density memory**
 - supports up to 3 GB PC 133 ECC memory for extensive expansion
- **Hot swappable HDD**
 - supports up to 152 GB IDE hot swap for high availability, as well as up to 292 GB 10K rpm Ultra 160 hot swap SCSI drives in the external hard disk unit
- **IDE RAID chip (0,1)**
 - built in as standard for on-board data security

More space-efficient than any other server system on the market: multiple units can be located on one shelf in a standard 19" rack.

Create a wireless environment, just insert a wireless LAN PC card, and the Magnia Z300 acts as wireless access point.



Configured stackable solution consists of System Unit (1), Expansion Disk Unit (2) and Expansion Device Bay Unit (3) linked together to make one system.



Modular design means the Magnia Z 300 scales to accommodate new business needs with minimum effort.



For further information on the Toshiba range of PCs contact your nearest Toshiba Authorised Reseller or visit the Toshiba web site: www.toshiba-europe.com/computers