



Detailed specifications - ThinkCentre M55 (type 6488, 8010, 8792, 8796, 8800, 8804, 8808, 8813)

▼ Applicable countries and regions

- [Architecture](#)
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Architecture

System board / Form factor

- Small form factor (2x3) with Intel® Q963 chipset
- Supports Intel® Celeron® D processor with 533MHz FSB and 256KB L2 cache
- Supports Intel® Pentium® D processors with 800MHz FSB with 2x2MB L2 cache
- Supports Intel® Pentium® D processors with 800MHz FSB and 2x1 MB L2 cache
- Supports Intel® Core™ 2 Duo processor with 1066MHz FSB and 2MB L2 cache
- Custom BTX form factor

Note: Hyperthreading is supported only with Microsoft Windows XP Service Pack 1. Hyperthreading must be disabled when using Windows 2000.

Processor

- Intel® Celeron® D Processor 336
- Intel® Celeron® D Processor 341
- Intel® Celeron® D Processor 346
- Intel® Celeron® D Processor 352
- Intel® Celeron® D Processor 356
- Intel® Pentium® 4 Processor 524 with HT Technology
- Intel® Pentium® 4 Processor 531 with HT Technology
- Intel® Pentium® D Processor 820
- Intel® Pentium® D Processor 915
- Intel® Pentium® D Processor 945
- Intel® Core 2 Duo Processor E6300
- Intel® Core 2 Duo Processor E6400

Cache

- 256KB L2 cache - Intel® Celeron® D Processors
- 512KB L2 cache - Intel® Celeron® D Processors
- 1MB L2 cache - Intel® Pentium® 4 Processors
- 2x1MB L2 cache - Intel® Pentium® D Processors
- 2x2MB L2 cache - Intel® Pentium® D Processors
- 2MB L2 cache - Core 2 Duo processors

Chipsets

- Intel Q963
 - Integrated Intel Graphics Media Accelerator 3000
 - Q963 "GF" Northbridge
 - ICH8 Southbridge
 - SMSC 5407 Super IO

IDE controller

- 4 Serial ATA connectors
- No parallel ATA support

Memory

- 400MHz DDR2 (Double Data Rate) dual channel memory support
- PC2-4200 (400MHz) memory supported
- PC2-5300 (400MHz) memory supported
- Two 240 pin DDR2 SDRAM UDIMM sockets
- Supports a maximum memory up to 4GB
- ECC or parity memory is not supported

Audio

- Integrated High Definition (HD) PCI AC'97 2.3 compliant codec
- ADI1983 HD CODEC
- Front - Microphone-in, headphones out
- Rear - Line-in, line-out
- Jack sensing, jack retasking - software will automatically detect which jack the microphone is using.
- Software-based audio (done by processor and ICH8)

Keyboard and mouse

- Preferred Pro full-size keyboard
- USB Optical Wheel mouse

Communications

Networking

- Integrated Broadcom Gigabit (10/100/1000)

Expansion

Bays

- One 5.25 inch, half-height 1.6 inch, external access
- One 3.5 inch, slim-line 1 inch, external access, diskette drive (select models)
- One 3.5 inch, slim-line 1 inch, internal access, hard drive

External ports

- Eight USB (two in front, six in back) [Ver 2.0]
- One Ethernet RJ-45
- One serial 9-pin 16550 compatible (select models may have a second serial port)
- One parallel 25-pin parallel (EPP, ECP), IEEE 1284
- Monitor port
- Audio line in, headphone out, and microphone in jacks
- No PS/2 mouse or keyboard connector

Slots

- Slot 1: PCI Express x1
- Slot 2: 32-bit PCI 2.3 (5v)

Power

Power management

- APM 1.2 and ACPI 2.3

Power supply

- 225 watt supply with variable fan speed
- 110 volt or 220 volt operation controlled by a switch on the back of the unit

Security

- Security chip
- Padlock loop (in rear for optional padlock, Tower only)
- Security slot (in rear for attachment of optional cable lock)
- No keylock
- Power-on password
- Configuration password (administrator password)
- Hard drive password (user and master)
- Boot sequence control
- Boot without keyboard, mouse, or diskette
- USB/Ethernet/serial/parallel/SATA/EIDE/diskette enable or disable
- Disk, removable device, and network device password
- Diskette write protect
- Front USB port disablement
- Cover intrusion switch (select models)

Security chip features:

- Offers platform and user authentication (requires download of security software)

- Executes all private key-related Public Key Infrastructure (PKI) operations right on the chip (requires third party digital certificate, not included)
- Designed to enable secure storage of private keys (requires third party digital certificate)
- Supports industry standard cryptographic interface (MSCAPI and PKCS#11) Provides more secure access authentication by coordinating with Windows logons and strengthening Lotus Notes logons
- Encrypts and decrypts files, folders, and messages with 1024-bit digital signature and up to 256-bit key exchange
- Digital signatures allow non-repudiation and data integrity
- Integrates with optional biometrics and proximity badges
- Adheres to the Trusted Computing Group specification recognized by over 180 companies

Software

Operating system

- [Microsoft Windows XP Home](#)
- [Microsoft Windows XP Professional](#)

Note: Preloaded software utilizes the [disk-to-disk recovery](#) method. Select models ship without the Operating system.

Storage

Optical drive

- 48x CD-ROM
- 16x DVD-ROM
- 48x32x48x16x CD-RW/DVD combo
- Multi-Burner Plus 16x

Hard drive features

- 7200RPM Serial ATA supported

Video

Intel Graphics Media Accelerator 3000

- 15-pin VGA output on planar
- Uses Intel Dynamic Video Memory Technology (DVMT)

For models without a separate video card, memory supports both system and video. System memory used by video may be up to 32MB if the system has 128MB installed, up to 160MB if the system has 256MB installed, and up to 256MB if the system has 512MB or more system memory installed, depending on video mode.

Resolution, maximum color depth, and refresh rates

- 640 x 480, 16M colors (120 Hz)
- 800 x 600, 16M colors (120 Hz)
- 1024 x 768, 16M colors (120 Hz)
- 1152 x 864, 16M colors (100 Hz)
- 1280 x 1024, 16M colors (120 Hz)
- 1600 x 1200, 16M colors (120 Hz)
- 1920 x 1080, 16M colors (100 Hz)
- 1920 x 1200, 16M colors (75 Hz)
- 1920 x 1440, 16M colors (85 Hz)

Applicable countries and regions

Worldwide

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