IBM

IBM 7587

Highlights

- *3 year on-site warranty*
- *Five slot, PICMG compliant passive backplane system*
  -4 user isa slots, two shared PCI
- *Powered by state-of-the-art IBM designed Single Board Computer (SBC)*
- *Single Board Computer:*
  - *133, 166 or 200MHz Pentium®Processor*
  - *16 OR 32MB 60ns EDO parity memory installed, 256MB maximum*
  - *Up to 512KB pipeline synchronous burst external cache installed*
  - *IBM SurePath BIOS*
  - *Optional on board Ethernet*
  - *Supports PCI Mezzanine Card (PMC) architecture*
- *Analog Video PMC*
  - *Enhanced 64bit graphics*
  - *2MB video ram*
- *Choice of IDE installed shock mounted hard disk drive*
- *Designed for panel/wall or bench top mounting*
- *Large filtered cooling fan for cool operation*
- *High reliability for telephony 24/7 mission-critical applications*

Responding to telephony customers' needs for a multi-slot, powerful, 24/7 high reliability computer designed for wall mounting IBM has developed the IBM 7587. Its form factor, weight and built in mounting flanges make it suitable for mounting on a vertical surface like the inside of a panel or on a wall. It is quick-to-service with all internal components easily accessible after removing the top cover. IBM's 3 year on-site warranty provides years of worry-free continuous operation.
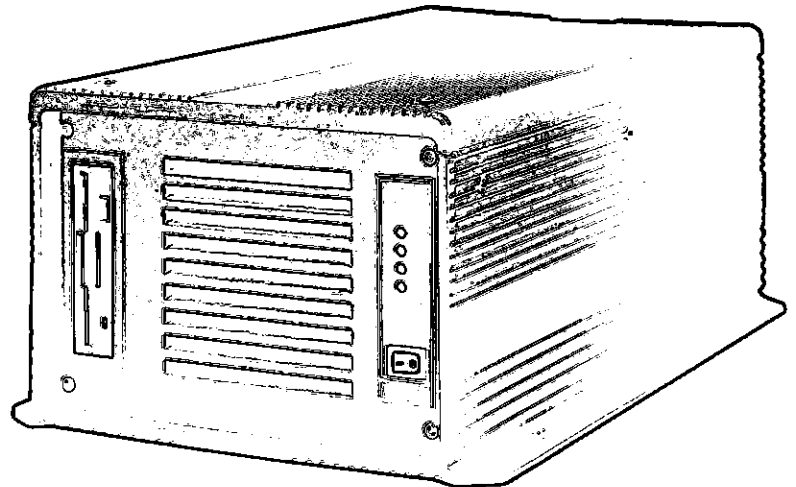
Passive backplane system

The 7587 has a PICMG compliant passive backplane. The computer function of the system is provided by the IBM designed Pentium® based Single Board Computer (SBC). The mechanical package supports one diskette drive and shock mounts one 3.5" hard disk drive.

Single board computers

The IBM 586E SBC has optional 10BaseT / 100Base-TX Ethernet support. Customers requiring Ethernet will appreciate not having to use a ISA or PCI slot for the Ethernet function.

The SBC includes a choice of Intel Pentium® processors: 133, 166 or 200MHz, 60ns EDO parity memory and optionally pipeline synchronous external cache. Sizzling 64bit graphics with 2MB of video RAM are standard. The system can operate without display and without keyboard.

IBM 7587 at a glance

System Function	IBM 586 or IBM 586E Single Board Computer (SBC) Optional Analog Video PCI Mezzanine Card (PMC)
Processor	Pentium 133, 166 or 200MHz 0 or 256/512KB Pipeline Synchronous burst external cache
Memory	16 or 32MB installed EDO 60ns parity memory Maximum 256MB with 64MB SIMMs
Passive Backplane	PICMG compliant, 5 adapter slots 3 ISA: one full length, one half length, one used by SBC 2 ISA shared PCI
Analog Video PMC	S3 Trio 64V+ graphics controller with 64bit graphic accelerator and 2MB Video Ram
Hard Disk Drive	Shocked mounted 1.6 GB or 3.2 GB IDE disk
Diskette	1.44MB standard
Ethernet	Integrated on IBM586E SBC Supports 10BaseT / 100BaseTX
Ports	Two serial, one Parallel, optional Ethernet RJ45 Display, keyboard and mouse ports are on Analog Video PMC
Power Supply	200 Watt Worldwide, switchable
Keyboard	Standard
Equipment Certifications	UL Listed (UL 1950, 1st Edition) CSA Certified (CSA22.2 No. 50-M1990) FCC Class A VCCI Class 1 VDE or TUV (EN60950/IEC 950) CISPR 22 - Class A BABT - UK General Approval NS/G/1234/J/1000003 Communaute Europeene (CE mark of European Communities)
IEC Standard Compliance	Safety (IEC 950/EN60950) Shock (IEC 68-2-27) 30G for 3 msec duration (1/2 sine wave) Vibration (IEC 68-2-6) Random .67G RMS from 5 Hz to 500 Hz Electrostatic discharge (IEC 801) 4KV contact, 8KV air Radiated electrical susceptibility (IEC 801-3) level 3, 10V/m Fast transients/bursts (IEC 801-4) Level 3 Conducted immunity (EN50141) Level 3 Power line harmonics (EN61000-3-2) Flicker (EN61000-3-3) Environment (IEC 529) - IP Rating: IP51 Additional certifications may be available on request
Environmental Specifications	Operating Temperature: 0° to 50°C (32° to 122°F) Non-operating Temperature: 0° to 60°C (32° to 140°F) Shipping Temperature: -40° to 60°C (-40° to 140°F) Relative Humidity: 5 to 95% non-condensing Wet Bulb: 29.4°C (85°F) Altitude (operating): 0 to 7000 feet (0 to 2135 meters) (non-operating): 0 to 15000 feet (0 to 4575 meters) Electrical - 100-125VAC and 200-245VAC switchable BTU Output (as-shipped): 200 BTU/hour (maximum config.): 1417 BTU/hour) Shock: 30G, 3ms duration Vibration: 0.67G RMS random from 5Hz to 500Hz Particulate Protection - Dust and dripping water resistant - IP51
Operating Systems Supported	IBM OS/2® Warp, Version 3 IBM PC DOS Version 7.0 MS-DOS 6.22 Microsoft Windows for Work Groups™ 3.11 Windows NT™ 3.51, 4.0 Windows 95™ Novell Netware 3.12, 4.10 (client)
Dimensions	Width: 304.8 mm (12 in) - includes mounting flanges Height: 190.5mm (7.5 in) Depth: 457.2 mm (18 in) Weight: 10.8 kg (24 lbs)
Mounting Options	Panel/wall, bench top

Computer Telephony Solution

The IBM 7587 is designed for reliable round-the-clock operation in mission critical telephony applications. A large filtered cooling fan is standard for cool operation with slots used to full capacity.

For more information

To learn more about the IBM 7587 or for the location of the Authorized IBM Remarketer nearest you, visit our Internet site at:

http://www.clearlake.ibm.com/mfg/bocaraton

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