13 slot backplane system designed for computer telephony applications

IBM 7588

Highlights

- ***3 year on-site warranty***
- ***13 slot, PICMG compliant passive backplane system***
  - ***12 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 drives***
- ***Open bays for second disk***
- ***Panel, frame/rack, bench or tower configurations***
- ***Two large filtered cooling fans for cool operation***
- ***High reliability for telephony 24/7 mission-critical applications***

For computer telephony customers who require a powerful, 24/7 high reliability computer with many adapter slots and varied mounting capabilities, IBM has developed the IBM 7588. It is an ideal choice computer for mission-critical telephony applications. The system can operate without disk, display or keyboard. 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. Configurations include panel mount, wall mount, frame/rack mount, bench mount or a tower configuration.

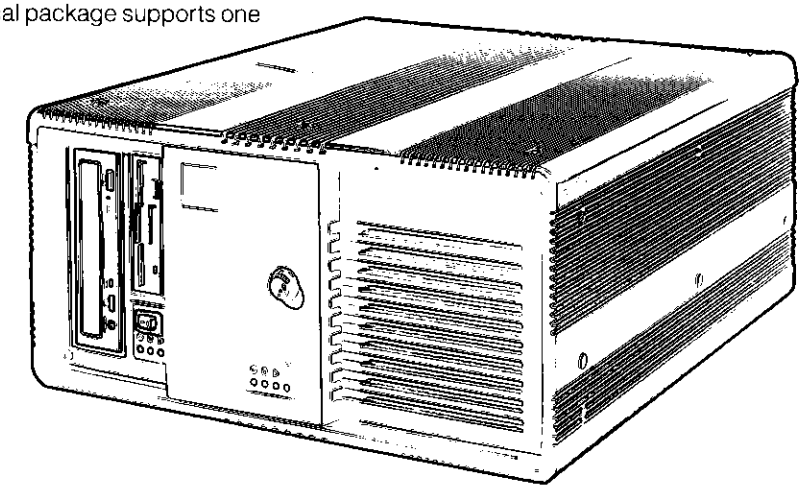
Passive backplane system

The 7588 has a PICMG compliant 13 slot passive backplane. The computer function of the system is provided by the IBM designed Pentium® based Single Board Computer (SBC). In addition to the slot used by the SBC, there are nine full length ISA slots, one half length ISA slot, and two full length ISA / PCI slots. The mechanical package supports one diskette drive, two 3.5" hard disk drives and are 5.25" front access device (e.g. CD ROM).

Single board computers

The IBM 586 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 standard. The system can operate without display and without keyboard.



IBM 7588 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 to 32MB installed EDO 60ns parity memory Maximum 256MB with 64MB SIMMs
Passive Backplane	PICMG compliant, 13 slots 11 ISA: nine 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 Drives	Shock mounted 1.6 GB or 3.2 GB IDE disk
Open Bays	One internal disk One 5.25" front acces
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	250 Watt Worldwide, auto ranging
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) 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: 430.3mm (16.94 in) Height: 206.32mm (8.1 in) Depth: 473.9 mm (18.66 in) Weight: 17 kg (38 lb)
Mounting Options	Panel,frame/rack, bench top, tower configurations

Computer Telephony Solution

The 7588 is designed for reliable, round-the-clock operation in mission critical telephony applications. Two large filtered cooling fans are standard for cool operation with slots used to capacity.

For more information

To learn more about the IBM 7588 or for the location of the Authorized IBM Remarketer nearest you, visit our Internet site at:

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

or call:
U.S. 888 426-5800,
Priority code:6G7FT001
Canada 800 IBM-4YOU
EMEA +49/7031-12-7824

IBM Corporation
1798 NW 40th Street - 2111
Boca Raton, FL 33431

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