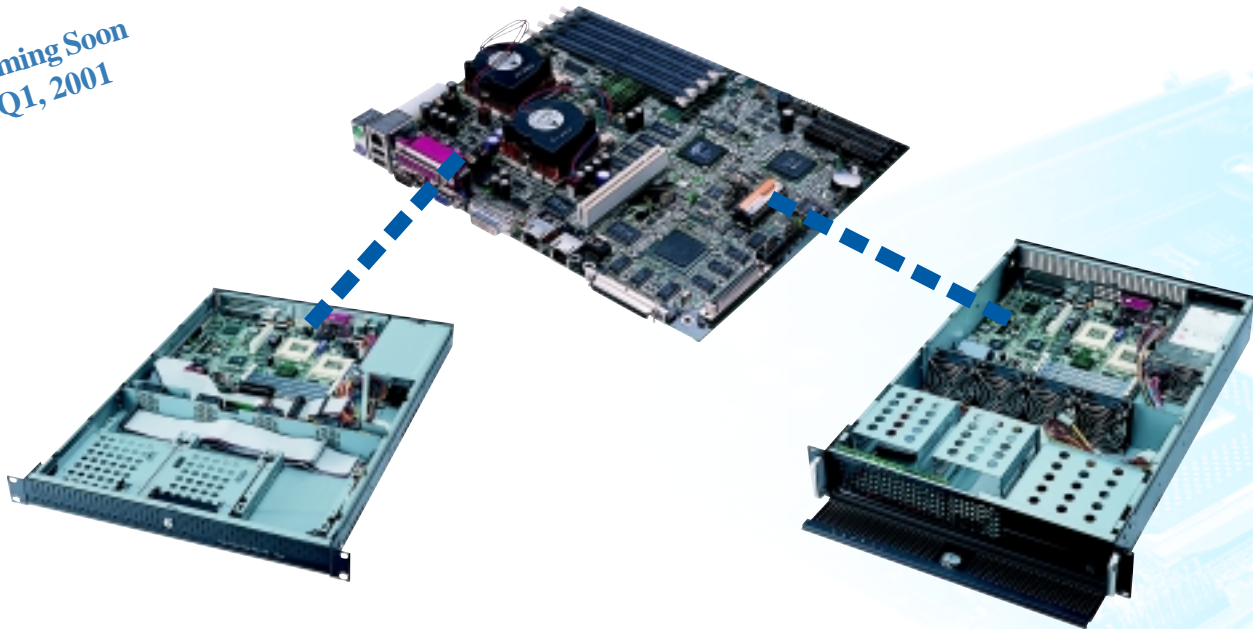


Coming Soon
Q1, 2001



■ Introduction

SB-162 and SB-262 are solution-oriented server barebone systems designed for many server applications, such as web server, Internet application server, etc.

SB-162 includes MB-X62 high performance server board with a low profile 1U server chassis. SB-262 is available with a compact 2U server chassis for even more drive bays.

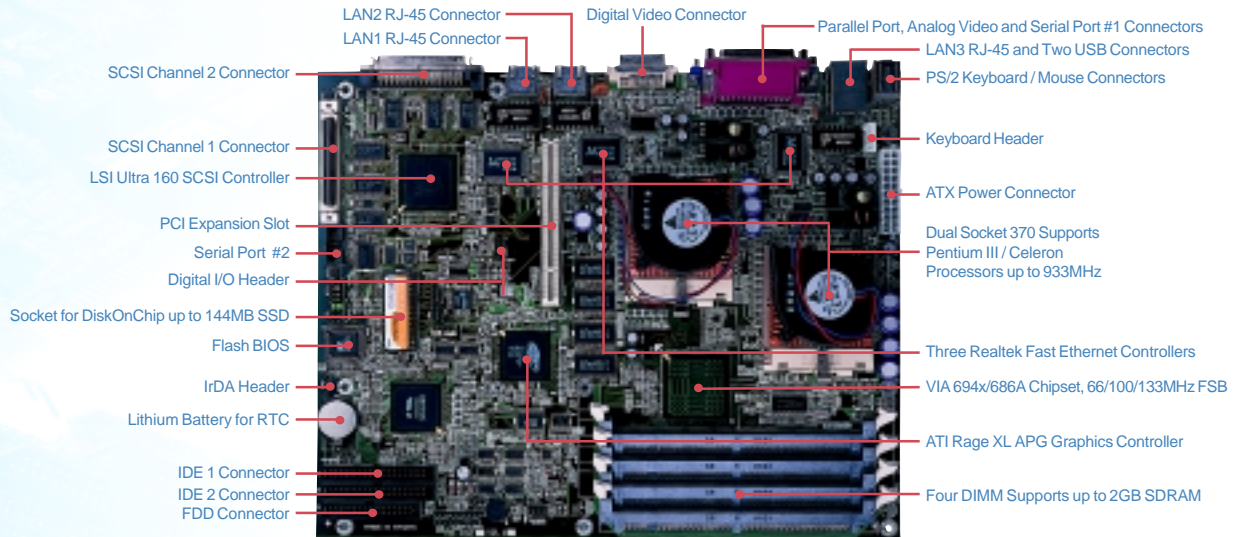
The MB-X62 provides dual Intel Pentium III processing power with on-board AGP graphic acceleration, three on-board Ethernet controllers for networking, and on-board dual channel Ultra 160 SCSI controller for storage. It provides power and functions in a small package.

■ Highlights

- Higher Performance Server Board
- Supports Dual Intel Pentium III FC-PGA processors
- Four DIMM sockets for up to 2GB SDRAM
- On-board APG graphics accelerator
- Three on-board Fast Ethernet (10Base-T and 100Base-TX) controllers
- On-board dual channel Ultra 160 SCSI controller
- 2 Serial, 1 Parallel, 2 USB and D I/O
- DiskOnChip flash memory support
- Multi-level watchdog timer
- System health monitoring
- Matching 1U and 2U server chassis solution



■ MB-X62: Dual Socket370 SBC with AGP Video, Three Ethernet and Ultra 160 SCSI



■ MB-X62 Features

- Processor**
 Supports Two Intel Pentium III FC-PGA processors up to 933MHz and higher.
- Chipset**
 VIA 694X/686A 66/100/133MHz FSB & Winbond W977TF I/O chip.
- System BIOS**
 256KB Award licensed flashable BIOS.
- System Memory**
 Four 168-pin DIMM sockets supports up to 2GB of SDRAM (ECC capable).
- Solid State Disk / Flash Memory**
 One 32-pin DIP socket supports M-Systems' DiskOnChip up to 144MB.
- Video**
 ATI Rage XL APG graphics accelerator with on-board 4MB video memory, supports resolutions and color depth: VGA 640x480, SVGA 800x600, XGA 1024x768, SXVGA 1280x1024 up to 16mil colors, and UXGA 1600x1200 x 64k colors. On-board VGA and DVI connectors, support analog video monitor and digital video monitor.
- Fast Ethernet**
 Three Realtek RTL8139C PCI Fast Ethernet (10/100Base-T) controllers with on-board RJ-45 connectors.
- SCSI (MB-X62A only)**
 LSI SYMBIOS SYM53C1010 Dual Channel Ultra 160 SCSI controller. One internal and external SCSI connectors.

- IDE Interface**
 Two PCI Enhanced IDE interface supports up to four (PCI Bus Master, Ultra DMA-33/66, Multiword DMA & PIO mode 0-4) IDE devices.
- Floppy Interface**
 One floppy interface supports up to two floppy devices.
- Serial I/O**
 Two 16550 serial ports, one RS-232 and one RS-232/422/485 selectable.
- Parallel I/O**
 One parallel port supports for EPP, ECP and SPP modes.
- Digital I/O and IR**
 4 bit digital input / 4 bit digital output and IrDa v1.0 interface on headers.
- Keyboard, Mouse and USB**
 One 6-pin mini-DIN PS/2 keyboard connector, one 6-pin mini-DIN PS/2 mouse connector, and two USB connectors. One 5-pin keyboard header.
- Expansion Bus**
 One 32-bit 33Mhz PCI expansion slot.
- Watchdog Timer**
 Software triggered 16 level time-out intervals from 0~30 seconds in 2-second intervals.
- Health Monitoring**
 On-board Genesys 518SM health monitoring IC with CPU temperature alarm.
- Real Time Clock**
 Internal RTC with Lithium battery back-up.

■ MB-X62 Specifications

- Electrical**
 Power Requirement: +5V, +12V
 Power Input: Standard ATX
 Power Consumption:
 w/ Dual PentiumIII 700MHz CPU and 64MB RAM
 5.28A at +5V, 0.29A at +12V
 w/ Dual Celeron 433MHz CPU and 64MB RAM
 4.45A at +5V, 0.38A at +12V
- Mechanical**
 ATX-size 146 x 203mm (5.75" x 8")
 Weight: 317.5g (0.700lbs)
- Environmental**
 Operating Temperature: 0° to 60° Celsius
 Storage Temperature: -20°C to 70° Celsius
 Operating Humidity: 10% to 90% relative humidity, non-condensing
- Reliability**
 MTBF: designed for >40,000 hours, pending actual test verification.
- Safety Approvals**
 CE/FCC Certification Pending

■ Software Support

The MB-X62 Series is compatible with operating systems developed for x86 PC. The board has been tested with Windows 9x, Windows NT, Windows 2000, Red Hat Linux, OS/2 Warp, and SCO Unix. Drivers for various OSES are included on a CD-ROM with every package.

■ IAC-C101EX: 1U Rackmount Server Chassis for MB-X62



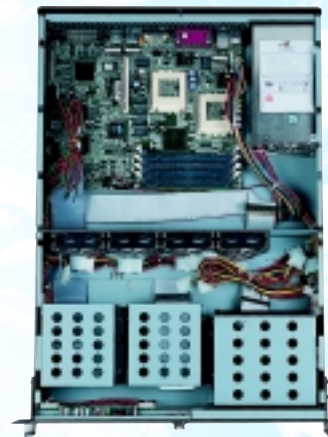
■ IAC-C101EX Features

- Compact 1U (1.75"H) rackmount chassis
- Heavy duty steel construction
- Supports MB-X62 server board
- One PCI expansion slot, one PCI raiser card included
- One USB connector at the front panel
- Drive bays
 - One external 3.5" drive bay for slim notebook floppy drive
 - Three internal 3.5" drive bays
 - One external 5.25" drive bay for slim notebook CD-ROM drive
- Standard 200W ATX power supply
- Five 4cm (7.0CFM) fans

■ IAC-C101EX Specifications

- Dimension (HxWxD): 44mm x 426mm x 618mm
- Weight: TBD
- Operating Temperature: 0° to 50° Celsius
- Operating Humidity: 5% to 95% relative humidity, non-condensing
- Safety/EMI Approvals: Designed to meet UL, CSA, TUV, FCC and CE.
- Color: Black

■ IAC-C201AX: 2U Rackmount Server Chassis for MB-X62



■ IAC-C201AX Features

- EIA RS-310C rackmount chassis specification compliant steel construction
- Supports MB-X62 server board
- One PCI expansion slot, one PCI raiser card included
- One USB connector, 3 Network Activity LEDs at the front panel
- Drive bays
 - One external 3.5" drive bay
 - Six internal 3.5" drive bays
 - One external 5.25" drive bay
- Standard 300W ATX power supply
- Four 8cm fans

■ IAC-C201AX Specifications

- Dimension (HxWxD): 88mm x 431mm x 619mm
- Weight: TBD
- Operating Temperature: 0° to 50° Celsius
- Operating Humidity: 5% to 95% relative humidity, non-condensing
- Safety/EMI Approvals: Designed to meet UL, CSA, TUV, FCC and CE.
- Color: Black

■ Ordering Information

● SB-162A 1U High Performance Server Barebone with Ultra 160 SCSI

Consist of MB-X62A and IAC-C101EX

MB-X62A Dual Socket370 processor Server Board with on-board AGP video, three 10/100Base-T Ethernet, and Dual channel Ultra 160 SCSI

IAC-C101EX 1U rackmount chassis with standard 200W ATX power supply, drive bays for one slim FDD, one slim CD-ROM, and three HDD



● SB-162B 1U High Performance Server Barebone

Consist of MB-X62B and IAC-C101EX

MB-X62B Dual Socket370 processor Server Board with on-board AGP video and three 10/100Base-T Ethernet

IAC-C101EX 1U rackmount chassis with standard 200W ATX power supply, drive bays for one slim FDD, one slim CD-ROM, and three HDD

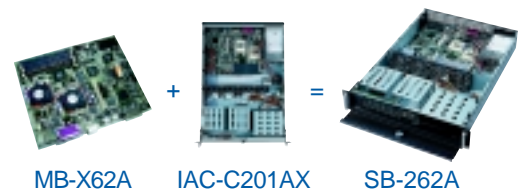


● SB-262A 2U High Performance Server Barebone with Ultra 160 SCSI

Consist of MB-X62A and IAC-C201AX

MB-X62A Dual Socket370 processor Server Board with on-board AGP video, three 10/100Base-T Ethernet, and Dual channel Ultra 160 SCSI

IAC-C201AX 2U rackmount chassis with standard 300W ATX power supply, drive bays for one FDD, one CD-ROM, and six HDD

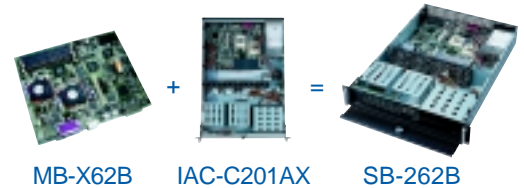


● SB-262B 2U High Performance Server Barebone

Consist of MB-X62B and IAC-C201AX

MB-X62B Dual Socket370 processor Server Board with on-board AGP video and three 10/100Base-T Ethernet

IAC-C201AX 2U rackmount chassis with standard 300W ATX power supply, drive bays for one FDD, one CD-ROM, and six HDD



■ OEM/ODM

Lanner can depopulate a standard product to fit your project needs and reduce your time-to-market. We also provide OEM/ODM design and manufacturing service to meet your specific project requirements. Please contact Lanner USA for more information.

■ KVM Solution



KVM-08

1U 19" Rackmount 8-port KVM Switch

- Controls 8 systems with one console
- Push button or OSD menu operation
- Built-in Microprocessor Emulation
- Expand to control up to 128 systems
- Uses standard video, keyboard and mouse cables



KVM-08AL

1U 19" Rackmount Keyboard Drawer with LCD Monitor & 8-port KVM Switch

- Controls 8 systems with one console
- Push button or OSD menu operation
- Built-in Microprocessor Emulation
- Expand to control up to 128 systems
- Uses standard video, keyboard and mouse cables



Lanner Electronics Inc.

925 Canada Court
 City of Industry, CA 91748
www.lanner-usa.com
 TEL: (626) 581-1898
 FAX: (626) 581-1897
info@lanner-usa.com