TELEPHONE: **800-726-SBUS (7287)**
408-370-7287

Antares Microsystems was founded in 1989 by a group that includes the co-designer of the SBus and the chief hardware designer for the SPARCstation-1. The only full line independent supplier of SBus based products. Antares has shipped tens of thousands of add-on SBus boards from serial and parallel interfaces to Ethernet controllers and SCSI host adapters. All products are in stock for immediate delivery and are backed by a one year repair or replace warranty.

Up to 5 Megabytes/ Second Bandwidth

Single-Ended SCSI Bus Drivers

Reduces SCSI Bandwidth Bottlenecks

New! Boot from any Device

Complements On-Board SCSI

Synchronous & Asynchronous SCSI

Compatible with Sun System & Apphcation SW

Driver in SunOS; No S/W Installation Reqd.

Allows Seven Additional SCSI Devices

Specifications:

Antares Part Number:...................... 20-050-0008

Warranty:.. 1 year
Support:... Lifetime

System Data Bus Width: 32 bits

SCSI Data Bus Width: 8 bits

System Data Transfer Method: 16-Byte Burst DMA

Max. Synchronous Transfer Rate: 5 Megabytes per Second

Interrupt Level: 3

Host Adapter Target ID: In System EEPROM

Maximum Number of Devices: 7

Extemal SCSI Connector: SCSI-2 Fem. (SPARCstation type)

Intemal SCSI Cormector: 25 x 2 x 0. 100' Std. Header

SCSI Terminators: Removeable SIPs

FCode PROM: 64 Kbytes

OpenBoot 2.0 Support: *test, boot*

Number of Slots Required: 1

Width: 83.82 mm

Length: 146.70 mm

Operating Temperature: 10C to 40C

Nonoperating Temperature: 20C to 60C

Operating Humidity: 201/,80%
        noncondensing @ 40C

Nonoperating Humidity:..................   95% noncondensing @ 40C

Fault-tolerant configurations: A unique feature allows connecting multiple. Antares Sbus SCSI Host Adapters to the same SCSI bus. Even when one of machines is powered-down, the SCSI bus will continue to operate. Other desire may overload the SCSI bus under these conditions.

m01c

Up to 1 0 Megabytes/ Second Transfer Rate

No Software Driver Installation Required

Uses New SCSI-2 Devices at Full Performance

Active Termination for High Reliability

Eliminates SCSI Bottlenecks

Allows Seven Additional SCSI Devices

Backwards-Compatible with SCSI- 1 Devices

Compatible with **All** Application Software

Synchronous & Asynchronous SCSI

Single-ended SCSI Bus Drivers

Specifications

Specifications:

Antares Part Number:…20-050-0029

Max. Synchronous Transfer Rate: 10 Megabytes per Second

System Data Transfer Method: 16-Byte Burst DMA

System Data Bus Width: 32 bits

SCSI Data Bus Width:…8 bits

Warranty:.......................1 year

Support:........................Lifetime

SCSI Termination Type: Active

Compatible with SCSI- I Devices?:   Yes

Multiple SCSI-2 Adapters per SBus?   Yes

Interrupt Level:..............3

Host Adapter Target ID: 7

Maximum Number of Devices: 7

External SCSI Connector: SCSI-2 Fem. (SPARCstation type)

Internal SCSI Connector: 2 5 x 2 x 0. I 00' Std. Header

SCSI Terminators:.........Removable SIPs

FCode PROM:...............32 Kbytes

OpenBoot 2.0 Support:. *boot, test*

Number of Slots Required: 1

Width:............................83.82 mm

Length:..........................146.70 mm

Operating Temperature:10C to 40C

Nonoperating Temperature: -20C to 60C

Operating Humidity:……20%-80% noncondensing @ 40C

Nonoperating Humidity:.95% noncondensing @ 40C

m02a

Resolution 1024x768 to 1152x900

256 colors from 16.7 million color palette

TurboGX

TurboGX Graphics Accelerator

405,000 3-D Vectors per Second

762,000 2-D Vectors per Second

Runs all SunOS & Solaris Applications

The TurboGx has 1MB of VRAM on Board

Specifications:

Antares Part Number:
    SBV-TGX............................... 20-050-0030

Software Driver: Included w/SunOS & Solaris
       SBV-GX   cgsix
       SBV-CG3   cgthree
       sBv-TGx   cgsix
       SBV-TGX+ 4M   cgsix

Systems Supported:

SPARCstation 1, 1+, IPC
SPARCstation 2, IPX
SPARCserver 60OMP series
SPARCstation 10, 5, &. 20
SPARCclassic, SPARCstation LX
SPARCserver 1000
SPARCcenter 2000
Compatible versions of above

Operating System Supported:..........

SunOS 4.1.1-4.1.3
    Solaris 2.0 or later

Window Systems Supported:
Motif
Open Windows
SunView

Memory Size: 1 Megabyte to 4 Megabyte

Resolution: 1024x768 to 1600x1280

Vertical Refresh Rate: 66 **or** 76 Hertz

Clock Frequencies   105.56 10 MHz, 92.9405 MHz

Video Interface:
        Video Output: RS-343

Video Signal:........................   0. 174 Vpp, analog RGB, 75 Ohm
Sync Signal:........................   Separate TTL

Video Connector: Standard DB 13W3

System Data Bus Width: 32 bits

FCode PROM: 32 Kbytes

Sense Code....	Horizontal	Vertical	Vertical Scan
0	1024	768	77
1	1152	900	66
.....2	1152	900	66
3	1152	900	66
4	1152	900	76
5	1024	768	60
6	1152	900	76
7	1152	900	66

Operating Temperature: 10C to 40C

Nonoperating Temperature:...............   20C to 60C

M02C

Resolution 1024x768 to 1600x1280

256 colors from 16.7 million color palette

TurboGX +4M

TurboGX Graphics Accelerator

499,000 3-D Vectors per Second

1,500,000 2-D Vectors per Second

Runs all SunOS &. Solaris Applications

The TurboGx has 4MB of VRAM on Board

Specifications:

Antares Part **Number:**
    SBV-TGX...............................   20-050-0030

Software Driver: Included w/ SunOS & Solaris
        SBV-GX   cgsix
        SBV-CG3   cgthree
        SBV-TGX   cgsix
        SBV-TGX+ 4M   cgsix

Systems Supported:

SPARCstation 1, 1+, IPC
SPARCstation 2, IPX
SPARCserver 60OMP series
SPARCstation 10, 5, & 20
SPARCclassic, SPARCstation LX
SPARCserver 1000
SPARCcenter 2000
Compatible versions of above

Operating System Supported:..........

SunOS 4.1.1-4.1.3
    Solaris 2.0 **or** later

Window Systems Supported: Motif

Open Windows
SunView

Memory Size: 1 Megabyte to 4 Megabyte

Resolution: 1024x768 to 1600x1280

Vertical Refresh Rate: 66 or 76 Hertz

Clock Frequencies   105.5610 MHz, 92.9405 MHz

Video Interface:
        Video Output: RS-343
        Video Signal: 0. 174 Vpp, analog RGB, 75 Ohm
        Sync Signal: Separate TTL

Video Connector: Standard DB 13W3

System Data Bus Width: 32 bits

FCode PROM 32 Kbytes

Horizontal	Vertical	Vertical Scan
1024	768	77
1152	900	66
1152	900	66
1152	900	66
1152	900	76
1024	768	60
1152	900	76
1152	900	66

Operating Temperature: 10C to 40C

Nonoperating Temperature:...............   20C to 60C

M03A

Eight Bi-directional Serial Ports

300 to 230,400 Bits per Second

Add up to 24 Additional Serial Ports

Full Modem Controls for Each Port

Sun-Compatible System Administration

Highest-Performance Solution

Four Cable-Management Options

Loadable Driver & Install Script included

Specifications:

Antares Part Number:
    With 4-Ch. Cable Mgmt   20-050-0031

With 8-Ch. Cable Mgmt   20-050-0015
        With 16-Ch. Cable Mgmt   20-050-0032
        With 24-Ch. Cable Mgmt....   20-050-0016

Serial Port Connector: Standard 25-Pin D-Type Female

SBus Interrupt Level: 7

System Data Bus Width: 8 bits

CPU Utilization: I 00% on SPARC station 1
               @ All ports 230,400 Baud,
                  output
         .... SPARC 5, 10, & 20
FCode PROM   8 Kbytes

Width: 83.82 rnm

Length: 146.70 mm

Operating **Temperature: 10C** to 40C

Nonoperating Temperature: 20C to 60C

Cable Management Options: 4&8-Channel **Desktop**
16&24-Channel Desktop
16&24-Channel Wafl-Mounted
16&24-Channel 19" Rack Mounted

Interface Cable: 96-Pin Shielded Round Cable

Dimensions:
        4&8 Channel Box Width: 154.0 m
        4&8 Channel Box Depth: 154.0 mm
        4&8 Charnel Box Height: 36.2 mm

    16&24 Channel Box Width: 406.4 mm 16&24 Channel Box Depth: 152.4 mm 16&24
    Channel Box Ht.: 36.2 mm

Required SBus Slots:

    4&8 Channel One(l) SBus Slot
    16 Channel   Two(2) SBus Slots
    24 Channel   Three(3) SBus Slots

Serial Port Connector Pinout:

Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal
2	TXD	4	RTS	6	DSR	8	DCD	17	DD	24	DA
3	RXD	5	CTS	7	GND	15	DB	20	DTR		

M03C

Four RS-449 Serial Ports

1. 544 Mbps T 1 / E 1 Max. throughput 3.5Mbps

Supports SunLink OSI, SunLink x.25

Supports SunLink SNAP2P 8.0

Supports SunLink SNA3270 8.0/64Kbps

Highest-Performance Solution

32 KBytes of Dual-Ported RAM

Gateway to X.25 or Frame Relay PSDNs

The Antares High-Speed Serial product is a SBus interface which allows SPARC systems to communicate over wide area networks at high speeds, using a variety of SunConnect products.

Specifications:

Antares Part Number: 20-050-0041
Software Requirements: Can be used in conjunction with:

SunLink PPP, SunLink Frame Relay
SunLink X.25,SunLink SNA3270 (up to 64Kbps)

SunLink SNA Peer-to-Peer (up to 64 Kbps)

Serial Port Connector:................... Four RS-449

Hardware requirements:.................   SPARC System
Boot PROM 1.x **or** 2.x - CD-ROM required to load software

System Software: Solaris 2. 1 or greater

Operating Temp: **Oo** to 4OoC 20% humidity
Non-Operating Temp: 40 to 7 5C 20% humidity

Width: 83.82 mm

Length: 146.70 mm

Cable Management Options: 48.8-Channel Desktop

Interface Cable:............................   96-Pin Shielded Cable

Dimensions:......................................   Single-SBus Slot

Electrical:... Current: 1.6Amps at +5volts
Power: 8 watts

Ideal for Desktop Servers

Fixes Ethernet Bandwidth Bottlenecks

Std. Ethernet & Thin or Twisted-Pair Ethernet

Complements On-Board Ethernet

Up to 4 Ethernet Networks per System

Switch-Selectable Ethernet or Thin Ethernet

16-Byte Burst **DMA Minimizes** SBus Load

Plug & Play: Driver included with SunOS

Specifications:

Antares Part -N-umber:
    Thin Ethernet...............................   20-050-0003
    Twisted-Pair Ethernet...................   20-050-0007

Thick Ethernet Type: Attachment Unit Interface (AUI)

Thick Ethernet Connector: Standard 15 Pin D-Type Female

Thin Ethernet Type: 10BASE-2 "Cheapernet"

Thin Ethernet Connector:

Twisted-Pair Ethernet Type:

Twisted-Pair Ethernet Connector:

Ethernet Interrupt Level:

Ethernet Address:

System Data Bus Width:

System Data Transfer Method:

FCode PROM:

Number of Slots Required:

Length:

Operating Temperature:

Nonoperating Temperature:

Operating Humidity:

BNC Coaxial Female

10BASE-T,TWP

8-Pin Modular phone-style

4

Stored in /etc/hostname.le Files

32 bits

16-Byte Burst D-DMA

8 KBytes

83.82 mm

146.70 mm

10C to 40C

20C to 60C

20%-80%

noncondensing @ 40C

noncondensing @ 40C

M04C

10/100 Megabits/ Second

64 KB of SRAM for Packet Buffering

RJ45 & Media-Independent Interface

60MB/Second Burst Rate

Solaris Compatible

Conforms to IEEE 1496

Compatible with existing Networking Protocols

Plug-an-Play

Specifications:

Antares Part Number: 20-050-0038

SBus Clock: 12.5MHz to 25 MHz

SBus burst transfer rate: 60MB/Sec.

Max. Ethernet transfer rate: 10/ 100 Mb/Sec.

SBus burst sizes: 16/32/64 bytes

Number of Slots Required: 1

SBus Version: Conforms to IEEE 1496

Systems Supported:........................   All Sun Platforms (Solaris 2.3)
          Other Sun-Compatibles

Width: 83.82 mm

Length: 147.70 mm

Interfaces: RJ45 & Media-Independent

Operating Temperature: OC to 7OC(+32F to 131F)

Operating Humidity: 5%-85% relative humidity noncondensing

Regulations: Meets or exceeds the following: FCC Class A, VCC-1

MO4-E

Four Independent Ethernet Channels

10Mbit per second Concurrently

Direct Memory Access

Internal Self-test

100 meters of TWP without use of repeaters

Compliant with ANSI/IEEE Std.802.3

5 SBus Quad Ethernet **Controllers** in **one** Box

Four fully buffered Ethernet Ports

Antares Part Number: 20-050-0039

SBus Clock: 25MHz max. - 16.67 MHz min.

SBus burst rate: 29.6Mbytes/Sec. (25 MHz)

Steady state Transfer rate: 5 Mbytes/ Sec.

Max Ethernet rate: 1.25Mbytes/Sec.

Number of slots required: 1

SBus Modes: Master/ Slave

SBus Parity: Yes

Width: 83.82 mm

Length: 147.70

Weight: 4.3 oz. (125g)

Operating Temperature: OC to 70C (+32 to 13 IF

Operating Humidity: 5 to 85% non-condensing

Other: FCC Class A&B, DOC Class A&B

Voltage Tolerance: +/5%

Power Dissipation   9.5 Watt Max.

Ripple <=100mV

Operational Current 5V, 2.0 Amps

m04-G

Fast/Wide/Single-ended SCSI Host Adapter

Up to 20 Megabytes/ Second Transfer Rate

On-board intelligent SCRIPTS coprocessor

Uses New Wide-SCSI Devices at Full Speed

Active Termination **for** High Reliability

Eliminates SCSI Bottlenecks

Allows 15 Additional SCSI Devices

Downwards-Compatible w/ Narrow SCSI **Devices**

Synchronous & Asynchronous SCSI

Specifications:

Antares Part Number: 20-050-0021

Max. Synchoronous Transfer Rate: 20 Megabytes per Second

Intelligent I/O: SCSI SCRIPTS processor onboard

SCSI Data Bus Width: 16 bits

System Data Transfer Method: 16-Byte Burst DMA

System Data Bus Width: 32 bits

Software Driver: "afwd" included on floppy
        ....   SCSA-Compatible H. A. Driver
        ....   Compatible with Sun "sd" & "st"

Operating System Required: SunOS 4.1.1-4.1.3/Solaris 2.3

Systems Supported: SPARCstation 10, 5, & 20
....   SPARCstation 1, 1+, IPC
....   SPARCserver 60OMP series
....   Compatible versions of above

SCSI Bus Driver Type   Single-ended

Maximum Cable Length: 20 feet

SCSI Termination Type: Active

Compatible with Narrow SCSI Devices: Yes, requires adapter cable

Multiple SCSI-2 Adapters per SBus: Yes

Maximum Number of Devices: 15

External SCSI Connector: 68-Pin SCSI-2 Female

SCSI Termination: Removable SIPs

LED'S: Termpower, Fuse status

Fuse: Self-resetting 2 Amp

FCode PROM: 32 KBytes

Warranty: 1 year

Support: Lifetime

Number of Slots Required 1

Width: 83.82 mm

Length: 146.70 mm

Fast/Wide/ Differential SCSI Host Adapter

Up to 20 Megabytes/ Second Transfer Rate

On-board intelligent SCRIPTS coprocessor

Uses New Wide-SCSI Devices at Full Speed

Cable lengths up to 50 feet

Eliminates SCSI Bottlenecks

Allows 15 Additional SCSI Devices

Downwards-Compatible w/ Narrow **SCSI** Devices

Synchronous & Asynchronous SCSI

Specifications:

Antares Part Number: 20-050-0020

Max. Synchronous Transfer Rate: 20 Megabytes per Second

Intelligent I/O: SCSI SCRIPTS processor onboard

SCSI Data Bus Width: 16 bits

System Data Transfer Method: 16-Byte Burst DMA

System Data Bus Width: 32 bits

Software Driver: "afwd" included on floppy
SCSA-Compatible H. A. Driver
Compatible with Sun "st" & "st"

Operating System Required: SunOS 4.1.1-4.1.3/Solaris 2.3

Systems Supported: SPARCstation 5, 10 & 20
SPARCstation 1, 1+, 2, IPX, & IPC
SPARCserver 60OMP series
Compatible versions of above

SCSI Bus Driver Type:.................... Differential

Maximum Cable Length:

Compatible with Narrow SCSI Devices: Yes, requires adapter cable

Multiple SCSI-2 Adapters per SBus: Yes

Maximum Number of Devices: 15

External SCSI Connector: 68-Pin SCSI-2 Female

LED'S: Single-ended device, Fuse status

Fuse: Self-resetting 2 Amp

FCode PROM 32 KBytes

Warranty: 1 year

Support: Lifetime

Number of Slots Required: 1

Width: 83.82 mm

Length: 146.70

Operating Temperature: 10C to 40C

Nonoperating Temperature: -20C to 60C

100 Megabits per Second Transfer Rate

Internet Compatibility

Supports X.25, TCP/IP, & ONCtm

Sun O.S. & Solaris 2.x drivers on CD-ROM

Supports up to 8 interfaces same System

Fiber Connector

The Antares FDDI adheres to the well established FDDI standard. With Antares FDDI you can choose the media and topology that is best for your applications.

Antares Part Number: 20-050-0040

Network Size: Up to 500 stations per FDDI Ring

Optical Bypass: Dual-Attached version only
requires external bypass   switch & uses RJ-45 connector

Topology: Single-Attached Station(SAS)

Station Mgt: SMT version 7.3 X3.229

Media: Fully compliant Optoelectronics using 62.5/125 fiber

Standard Interface: SONET/SDH on multifiber/UTP

Connector: Fiber Connector

Dimensions: Single-Attached Station Adapter
3' by 5.5", Dual-Attached   adapter: 6' by 5.5'

Length: 147.70

Operating Temperature: OC to 40C

Operating Humidity: 10% - 05%
       noncondensing

Nonoperating Humidity: 95% noncondensing @ 40C

04M

155 Megabits per Second Transfer Rate

Fiber or UTP Interface

256 Channels for Transmitting

1024 open channels for receiving simultaneously

Burst Rate of 34 MegaBytes per Second

Solaris Compatible

Specifications:

Antares Part Number: 20-050-0042/0043

SBus Clock: 12.5 MHz to 25 MHz

SBus burst rate: 34MB/Sec.

SBus burst size: 16/32 bytes

SBus Version: Conforms to IEEE 1496

Number of Slots Required: 1

Standard Interface: SONET/SDH on multifiber/UTP

Systems Supported: SPARC Platforms (Solaris 2.4)

Width: 83.82 mm

Length: 147.70

Operating Temperature:

Operating Humidity:

Nonoperating Humidity:

OC to 7OC(+32F to 131F)

5% - 85% noncondensing

95% noncondensing @ 40C

Bi-directional

Centronics-Compatible

Lowest **Cost**

IBM PC/AT-Style 25-Pin D Connector

Loadable Device Driver for SunOS

Kernel-Based Device Driver for Solbourne

Compatible with Sun's NeWSprint Software

Supports HP, Seiko, Epson, many more

Specifications:

Antares Part Number:

Data Bus Width:

Data Transfer Method:

Interrupt Level:

Parallel Port Connector:

Number of Slots Required:

Printers Supported:

Systems Supported:

Width:

Length:

FCode PROM:

Operating Temperature:

Nonoperating Temperature:

Operating Humidity:

Nonoperating Humidity:

20-050-0001

8 bits

Programmed I/O

1

DB-25 Female

1
HP Laserjet 11, III, III+, Deskjet, Seiko 5504, 5514
Centronics Dot Matrix Printers
QMS, Others

Sun SPARCstation1, 1+,IPC
Sun SPARCstationSS2, IPX
Sun SPARCstation5, 10, & 20
Other Sun-Compatibles

83.82 mm

146.70

64 KBytes

10C to 40C

20C to 60C
201/-80%

20% - 80% noncondensing @40C
95% noncondensing @ 40C

Parallel Port Connector Pinout

Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal
1	STROBE	6	DATA4	11	BUSY	16	INIT
2	DATAO	7	DATA5	12	PE	17	SLCTIN
3	DATAL	8	DATA6	13	SLCT	18-25	GROUND
4	DATA2	9	DATA7	14	AUTOFX		

Antares' ConServer-ESP packs more power onto an SBus board than ever before, with a buffered Ethernet, a Fast-SCSI Host Adapter, and a high-performance bi-directional Parallel Port.

Fast SCSI-2 Host Adapter: Allows you to connect an additional sevcn SCSI devices to your system. The maximum data transfer rate of 10 **MBytes per second eliminates bottlenecks** that cause one disk to wait for another. 32-byte burst Direct Memory Access (DMA) and a 64-byte First-In, First-Out (FIFO) buffer minimize system load.

A secondary ribbon-cable header on the board allows internal connections to SCSI peripherals in rack-mounted or custom installations. **Active** SCSI **termination** increases reliability and allows use with up to 20 feet of cable. A **self resetting fuse on** the termination power recovers from cabling mistakes so your system can keep running.

Buffered Ethernet Controller: Converts your SBus computer into an Ethernet gateway, router, or bridge.

You can also isolate problems on one sub-net from problems on another sub-net, or build parallel networks for increased uptime. Once again, **32byte burst DMA** combined with a **64-byte Ethernet cache** minimizes demands on the host system. A self-healing fuse supplies power to the external Ethernet transceiver, eliminating downtime from cabling mistakes.

High-Performance Parallel Port: Connects you to a wide range of Centronics-compatible peripherals such as printers and scanners.

A data transfer rate of over **4 megabytes per second** is provided through use of 32-byte burst DMA combined with a 64-byte FIFO buffer and hardware timing control. **Programmable handshaking** protocol definition, pulse widths, data setup time, and transfer direction guarantee operation with the widest range of peripherals.

All necessary software drivers are shipped by Sun with SunOS 4.1.3 and Solaris 2. Your system will recognize and use the board as soon as you turn it on. Installation is a snap!

Antares Part Number: 20-050-0022

Warranty: 1 year

Support: Lifetime

Drivers Required: ledma, le, espdma, esp, bpp
(included in SunOS & Solaris)

Systems Supported: SPARCstation 10, 5, & 20
        SPARCstation LX
        SPARCclassic
        60OMP Series (4.1.3 & later)
        Compatible versions of these

System Data Bus Width: 32 bits

System Data Transfer Method: 32-Byte Burst DMA

SCSI Data Bus Width: 8 bits

Max. Sync. SCSI Transfer Rate: 10 Megabytes per Second

Max. Async. SCSI Transfer Rate: 5 Megabytes per Second

Maximum Number of SCSI Devices: 7

External SCSI Connector: SCSI-2 Fem. (SPARCstation type)

Internal SCSI Connector: 25 x 2 x 0. 100' Std. Header

SCSI Line Driver Type: Single-Ended

Maximum SCSI Cable Length: 20 ft.

SCSI Termination Type: Active (Alternative Two)

SCSI Terminators: Removable SIPs

Ethernet Type: Attachment Unit Interface (AUI)

Ethernet Connector: 15-Pin D-Subminiature Female

Parallel Port Transfer Rate: 4 Megabytes per Second Max.

Parallel Port Connector: 25-Pin D-Subminiature Female

Cabling: 1-to-3 Octopus style, 100mm

Main Connector: 96-Pin Centronics-2 Fem. Locking

Fuses: 2, Self-Resetting

Number of Slots Required: I

BackpanelType: 2 Piece

Width: 83.82 mm

Length: 146.70 mm

Operating Temperature: 10C to 40C

Nonoperating Temperature: -20C to 60C

Operating Humidity:
20% - 80% noncondensing @ 40C

Nonoperating Humidity: 95% noncondensing @ 40C

NEW! Now available in Thin or Twisted-Pair Ethernet

Antares' ConServer-1053 packs a Fast-SCSI Host Adapter, a buffered Ethernet and an Ethernet transceiver onto a single-slot SBus board at the most affordable price!.

Fast SCSI-2 Host Adapter: Allows you to connect an additional seven SCSI devices to your system. The maximum data transfer rate of 10 **MBytes per second** eliminates bottlenecks that cause one disk to wait for another. 32-byte burst Direct Memory Access (DMA) and a 64-byte First In, First-Out (FIFO) buffer minimize system load.

A secondary ribbon-cable header on the board allows internal connections to SCSI peripherals in rack-mounted or custom installations. **Active SCSI termination** increases reliability and allows use with up to 20 feet of cable. A **self-resetting fuse** on the termination power recovers from cabling mistakes so your system can keep running.

Buffered Ethernet Controller: Converts your SBus computer into an Ethernet gateway, router or bridge. .

You can also isolate problems on one sub-net from problems on another sub-net, or build parallel networks for increased uptime. Once again, 32 byte **burst DMA** combined with a **64-byte Ethernet cache** minimizes demands on the host system. Your choice of a thin or twisted-pair Ethernet transceiver is now built-in to the ConServer-1053.

All necessary software drivers are shipped by Sun with SunOS 4.1.3 and Solaris 2. Your system will recognize and use the board as soon as you turn it on. Installation is a snap!

Antares Part Number:
      Twisted-Pair Ethernet: 20-050-0024
      Thin Ethernet: 20-050-0028

Warranty: 1 year

Support: Lifetime

Drivers Required: ledma, le, espdma, esp (included in SunOS & Solaris)

Systems Supported: SPARCstation 10, 5, & 20

SPARCstation LX
SPARCclassic
60OMP Series (4.1.3 & later)
Compatible versions of these

System Data Bus Width: 32 bits

System Data Transfer Method: 32-Byte Burst DMA

SCSI Data Bus Width: 8 bits

Max. Sync. SCSI Transfer Rate: 10 Megabytes per Second

Max. Async. SCSI Transfer Rate: 5 Megabytes per Second

Maximum Number of SC SI Devices: 7

External SCSI Connector: SCSI-2 Fem. (SPARCstation type)

Internal SCSI Connector: 25 x 2 x 0. 100' Std. Header

SCSI Line Driver Type: Single-Ended

Maximum SCSI Cable Length: 20 ft.

SCSI Termination Type: Active (Alternative Two)

SCSI Terminators: Removable SIPs
Ethernet Type:

        20-050-0024 10Base-T Twisted-Pair
        20-050-0028 10Base-2 Thin

Ethernet Connector:
        20-050-0024:   Standard Modular Jack
        20-050-0028:   Standard BNC

Fuses: 2, Self-Resetting

Number of Slots Required: 1

BackpanelType: 2 Piece

Width: 83.82 mm

Length: 146.70

Operating Temperature: 10C to 40C

Nonoperating Temperature: -20C to 60C

Operating Humidity:
20% - 80% noncondensing @ 40C

Nonoperating Humidity: 95% noncondensing @ 40C

NEW! Now available in Thin or Twisted-Pair Ethernet

Antares' ConServer-FWBE packs a FastWide-SCSI Host Adapter, a buffered Ethernet and an Ethernet transceiver onto a single-slot SBus board at the most affordable price!.

FastWide SCSI Host Adapter: Allows you to connect an additional fifteen SCSI devices to your system. The maximum data transfer rate of **20 MBytes per second eliminates** bottlenecks that cause one disk to wait for another. 64-byte burst Direct Memory Access (DMA) and a 68-byte First-In, First-Out (HFO) buffer minimize system load.

A secondary ribbon-cable header on the board allows internal connections to SCSI peripherals in rack-mounted or custom installations. **Active SCSI termination** increases reliability and allows use with up to 20 feet of cable. A **self-resetting fuse** on the termination power recovers from cabling mistakes so your system can keep running.

Buffered Ethernet Controller: Converts your SBus computer into an Ethernet gateway, router, or bridge.

You can also isolate problems on one sub-net from problems on another sub-net, or build parallel networks for increased uptime. Once again, **32byte burst DMA** combined with a **64-byte Ethernet cache** minimizes demands on the host system. Your choice of a thin or twisted-pair Ethernet transceiver is now built-in to the ConServer-FWBE.

All necessary software drivers are shipped by Sun with Solaris 2. Your system recognize and use the board as soon as you turn it on. Installation is a snap!

Antares Part Number:
    Twisted-Pair Ethernet:.........   20-050-0051
    Thin Ethernet

Warranty:......................................   1 year

Support:

Drivers Required:

Systems Supported:

System Data Bus Width:

System Data Transfer Method:

SCSI Data Bus Width:

Max. Sync. SCSI Transfer Rate:

Max. Async. SCSI Transfer Rate:

Lifetime

ledma, le, ISP (included in Solaris)

SPARCstation 5,10,& 20
SPARCstation LX
SPARCclassic
60OMP Series (2.X or later)
Compatible versions of these

32 bits

64-Byte Burst DMA

16 bits

20 Megabytes per Second 12 Megabytes per Second

Maximum Number of SCSI Devices: 15 External SCSI Connector: SCSI-3 Fem.

(SPARCstation type)

SCSI Line Driver Type: Single-Ended

Maximum SCSI Cable Length: 20 ft.

SCSI Termination Type: Active (Alternative Two)

SCSI Terminators: Removable SIPS

Ethernet Type:
       20-050-0036 10Base-T Twisted-Pair
       20-050-0037 10Base-2 Thin

Ethernet Connector:
       20-050-0036:   Standard Modular Jack
       20-050-0037:   Standard BNC

Fuses: 2, Self-Resetting

Number of Slots Required: 1

BackpanelType: 2 Piece

Width: 83.82 mm

Length: 146.70

Operating Temperature: 10C to 40C

Nonoperating Temperature: 20C to 60C

Operating Humidity: 20%-80% noncondensing @ 40C

Nonoperating Humidity: 95% noncondensing @ 40C

Channel Audio on a *Single SBus Board...*

Telephone to **CD** -Quality **Audio**

Recording &. Playback

Microphone or Line input Levels

Line Output Level

16-Byte Burst DMA

80 Byte FIFO per Channel

Multi-Media Presentations

Analog Data Acquisition

Realistic Simulations & Games

Specifications:

Antares Part Number:
2 channel audio................. 20-050-0027

Systems Supported:....................... Sun SPARCstation 5, 10, & 20
Compatible versions

System Data Bus Width: 32 bits

System Data Transfer Method: 16-Byte Burst DMA

FCode PROM: 32 KBytes

OpenBoot 2.0 Support: *test, boot*

Number of Slots Required: 1

Width: 83.82 mm

Length: 146.70 mm

Operating Temperature: 10C to 40C

Nonoperating Temperature: -20C to 60C

Operating Systems Solaris 2.3 & Above

Max. bandwidth..............................   Simultaneous - 2 channel-in, 2 channel-out

Mbus PixelBurst

High Performance Pre-Press Production

40 Mhz PixelBurst Clock Frequency

DMA Master Interface

64K-Entry Memory Management Unit

36-Bit Physical Address for DMA Cycles

512-Byte Read/Write Buffers

1 or 4 MB Back Channel Static RAM

64-Bit Mbus Interface

50 Mhz Mbus Clock Frequency

Antares Part Number: 20-050-0018

Data Bus Width: 64 bits

MBus Clock Rate: 50 Mhz

Data Transfer Rate: 8 Bytes per Mbus Clock

Max. Burst Rate: 128-Byte Burst DMA

Number of Slots Required: 1

Operating Systems Supported: Solaris 2.3 or greater

Systems Supported: Sun SPARCstation 20, Sun Compatible

Width: 83.82 mm

Length: 146.70 mm

Operating Temperature: 10C to 40C

Nonoperating Temperature: -20C to 60C

Opertaing Humidity: 20% - 80% noncondensing @ 40C

Nonoperating Humidity: 95% noncondensing @ 40C