Documentation (cont.)

Model	Description	List Price	Comments
X.25B-UD	X.25 Documentation (Horizon board)	$ 25.00	Documentation covering the installation, use and management of Morning Star X.25 Horizon board communications software.
LAP/LAPB-UD	LAP/LAPB Documentation	$ 25.00	Documentation covering the installation, use and management of Morning Star LAP/LAPB communications software.
PPP-UD	PPP Documentation	$ 25.00	Documentation covering the installation, use and management of Morning Star PPP communications software.
SNA327O-UD	SNA 327O Documentation	$ 25.00	Documentation covering the installation, use and management of Morning Star SNA 327O communications software.
SNA377O-UD	SNA 377O Documentation	$ 25.00	Documentation covering the installation, use and management of Morning Star SNA 377O communications software.
BSC327O-UD	BSC 327O Documentation	$ 25.00	Documentation covering the installation, use and management of Morning Star BSC 327O communications software.
2780/3780-UD	BSC 2780/3780 Documentation	$ 25.00	Documentation covering the installation, use and management of Morning Star BSC 2780/3780 communications software.
HASP-UD	HASP Documentation	$ 25.00	Documentation covering the installation, use and management of Morning Star HASP communications software.
H84O-HD	Horizon 84O Hardware Documentation	$ 25.00	Documentation describing the installation, configuration and specifications of the H84O Multibus board.
RS232-HD	RS-232 Signal Interface Connector Hardware Manual	$ 25.00	Documentation describing the installation, configuration and specifications of the RS-232 interface hardware for the H84O Multibus board.
RS449-HD	RS-449 Signal Interface Connector Hardware Manual	$ 25.00	Documentation describing the installation, configuration and specifications of the RS-449 interface hardware for the H84O Multibus board.
V.35-HD	V.35 Signal Interface Connector Hardware Manual	$ 25.00	Documentation describing the installation, configuration and specifications of the V.35 interface hardware for the H84O Multibus board.
H482V-HD	Horizon 482V Hardware Documentation	$ 25.00	Documentation describing the installation, configuration and specifications of the H482 1MB and 4MB VMEbus board.
H473AT-HD	Horizon 473AT Hardware Documentation	$ 25.00	Documentation describing the installation, configuration and specifications of the H473AT ATbus board.
H24OM-HD	Horizon 24OM Hardware Documentation	$ 25.00	Documentation describing the installation, configuration and specifications of the H24OM Multibus board.
H24OV-HD	Horizon 24OV Hardware Documentation	$ 25.00	Documentation describing the installation, configuration and specifications of the H24OV 1MB and 2MB VMEbus board.
SNAPLINK-HD	Morning Star SnapLink Hardware Installation Guide	$ 25.00	Documentation describing the installation and configuration of the SnapLink communications interface.

Morning Star offers a standard 15% discount to U.S. Government and Educational facilities.

The standard distribution for NeXT systems is 3.5" floppy. Standard distribution of software for all other systems is via UUCP. There is a $100.00 fee for software delivered on cartridge tape. The prices listed above are subject to change without notice. Please contact Morning Star for most current pricing on product you plan to purchase.

Communication Hardware Accessories (cont.)

Model	Description	List Price	Comments
RS449-AT	Four port RS-449 signal interface box	$ N/A	Four port RS-449 signal interface box. Four 37 pin D shell male connectors.
SCSI2X2-SC	SCSI II to SCSI II SnapLink cable	$ 95.00	Standard SCSI II to SCSI II cable for use with SnapLink. Micro DB-50 to micro DB-50 connectors.
SCSI2X50-SC	SCSI II to DB-50 SnapLink cable	$ 95.00	SCSI II to DB-50 cable for use with SnapLink. Micro DB-50 to standard DB-50 connectors.
SCSI2XC-SC	SCSI II to Centronics SnapLink cable	$ 95.00	SCSI II to DB-50 cable for use with SnapLink. Micro DB-50 to standard DB-50 connectors.
RS232-SLDTE	SnapLink RS-232 DTE cable	$ 60.00	RS-232 cable for the SnapLink. Standard DB-25 male connector for DTE operation.
RS232-SLDCE	SnapLink RS-232 DCE cable	$ 60.00	RS-232 cable for the SnapLink. Standard DB-25 male connector for DCE operation.
RS449-SLDTE	SnapLink RS-449 DTE cable	$ 60.00	RS-449 cable for the SnapLink. Standard DB-37 male connector for DTE operation.
RS449-SLDCE	SnapLink RS-449 DCE cable	$ 60.00	RS-449 cable for the SnapLink. Standard DB-37 female connector for DCE operation.
SL110-PSUS	SnapLink 110V power supply	$ 35.00	SnapLink power supply for use with 110/120 AC - 60 Hz voltage requirements. 5V DC - 1000ma regulated output. For use in the U.S. and Japan.
SL220-PSUK	SnapLink 220V power supply	$ 50.00	SnapLink power supply for use with 220/240 AC - 50 Hz voltage requirements. 5V DC - 1000ma regulated output. For use in the United Kingdom.
SL220-PSEU	SnapLink 220V power supply	$ 45.00	SnapLink power supply for use with 220/240 AC - 50 Hz voltage requirements. 5V DC - 1000ma regulated output. For use in Europe.
SL220-PSOZ	SnapLink 220V power supply	$ 45.00	SnapLink power supply for use with 220/240 AC - 50 Hz voltage requirements. 5V DC - 1000ma regulated output. For use in Australia.
SL220-PSDK	SnapLink 220V power supply	$ 60.00	SnapLink power supply for use with 220/240 AC - 50 Hz voltage requirements. 5V DC - 1000ma regulated output. For use in Denmark.
SL220-PSIN	SnapLink 220V power supply	$ 60.00	SnapLink power supply for use with 220/240 AC - 50 Hz voltage requirements. 5V DC - 1000ma regulated output. For use in India.
SL220-PSIL	SnapLink 220V power supply	$ 65.00	SnapLink power supply for use with 220/240 AC - 50 Hz voltage requirements. 5V DC - 1000ma regulated output. For use in Israel.
SL220-PSIT	SnapLink 220V power supply	$ 50.00	SnapLink power supply for use with 220/240 AC - 50 Hz voltage requirements. 5V DC - 1000ma regulated output. For use in Italy.
SL220-PSSW	SnapLink 220V power supply	$ 45.00	SnapLink power supply for use with 220/240 AC - 50 Hz voltage requirements. 5V DC - 1000ma regulated output. For use in Switzerland.

Documentation

Model	Description	List Price	Comments
X.25D-UD	X.25 Documentation (daemon version)	$ 25.00	Documentation covering the installation, use and management of Morning Star X.25 daemon communications software.

Multibus Hardware

Model	Description	List Price	Comments
H240M	Horizon 240M communications processor board 1MB RAM	$ 2595.00	Multibus communications processor board with a 10 MHz 68000 CPU, two serial synchronous RS-232 ports, four channels of DMA for high-speed I/O support, and 1MB of RAM.
H840	Horizon 840 communications processor board 512KB RAM	$ 2695.00	Multibus communications processor board with a 10 MHz 68000 CPU, eight synchronous serial ports, four channels of DMA for high-speed I/O support, and 512KB of RAM.

ATbus Hardware

Model	Description	List Price	Comments
H473AT	Horizon 473AT communications processor board 2MB RAM	$ N/A	ATbus communications processor board with a 16 MHz 80376 CPU, four serial synchronous ports, six channels of DMA for high-speed I/O support, and 2MB of RAM.

Communication Hardware Accessories

Model	Description	List Price	Comments
H240V-232C	Two port RS-232 cable for Horizon 240V	$ 95.00	Two port RS-232 ribbon cable for connection to the 40 pin SIO header connector of the H240V communication processor.
H240M-232C	Two port RS-232 cable for Horizon 240M	$ 95.00	Two port RS-232 ribbon cable for connection to the 40 pin SIO header connector of the H240M communication processor.
H240V-9UMP	6U to 9U H240V adapter for MIPS systems	$ 330.00	The H240V-9UMP is a VMEbus adapter for installation of the 6U form factor H240V communications processor into a 9U form factor.
H240V-9USG	6U to 9U H240V adapter for Silicon Graphics systems	$ 230.00	The H240V-9UMP is a VMEbus adapter for installation of the 6U form factor H240V communications processor into a 9U form factor.
H240V-9USN	6U to 9U H240V adapter for Sun systems	$ 380.00	The H240V-9UMP is a VMEbus adapter for installation of the 6U form factor H240V communications processor into a 9U form factor.
H240V-232A	Two port RS-232 adapter cable for Horizon 240V	$ 95.00	Two port RS-232 cable for use with the H240V and 6U to 9U bus adapter.
VADPSCI	VME P2 adapter for Horizon 482V	$ 35.00	VME P2 adapter for use with the H482V communications processor. Accepts one or two H800-C two port ribbon cables.
H800-C	Two port TTL ribbon cable	$ 15.00	Two port TTL ribbon cable for use with the H840 and H482V communications processors.
RS232-SIC	RS-232 Signal Interface Connector	$ 37.50	One port RS-232 signal interface for use with H482V and H840 communications processor. Standard 25 pin D shell female connector.
RS449-DTE	RS-449 DTE Signal Interface Connector	$ 80.00	One port RS-449 DTE signal interface connector for use with H482V and H840 communications processor. Standard 37 pin D shell male connector.
RS449-DCE	RS-449 DCE Signal Interface Connector	$ 80.00	One port RS-449 DCE signal interface connector for use with H482V and H840 communications processor. Standard 37 pin D shell female connector.
V.35-SIC	V.35 Signal Interface Connector	$ 275.00	One port V.35 signal interface connector for use with H482V and H840 communications processor. Standard 34 pin M block female connector.

Bisynchronous Protocols

Model	Description	List Price	Comments
BSC 3270	Bisync 3270 Horizon board software	$ 2550.00	Emulates an IBM 3274 Model 51C bisynchronous cluster controller supporting 32 logical units configured as 3278 terminals and 3287 printers.
2780/3780	Bisync 2780/3780 Horizon board software	$ 2295.00	Full function emulation of IBM 2780 and 3780 Remote Job Entry terminals.
2780/3780-ML	MultiLine BSC 2780/3780 Horizon board software	$ 3295.00	Full function emulation of IBM 2780 and 3780 Remote Job Entry terminals supporting up to four physical lines.
HASP	HASP Horizon board software	$ 2395.00	Full function emulation of an IBM 360 Model 20 HASP Remote Job Entry workstation. Supports up to 7 card readers, 7 printers and 7 card punch devices.
HASP-ML	MultiLine HASP Horizon board software	$ 3395.00	Full function emulation of an IBM 360 Model 20 HASP Remote Job Entry workstation. Supports up to 7 card readers, 7 printers and 7 card punch devices per physical line. Package supports up to four physical lines.

Asynchronous Protocol

Model	Description	List Price	Comments
ASYNC-SL	SnapLink asynchronous software	$ N/A	SnapLink asynchronous serial port expansion software supports full terminal and modem control signals supporting up to 18 SnapLink serial ports.

SnapLink Hardware

Model	Description	List Price	Comments
SNAPLINK-64	SCSI communications adapter	$ 1500.00	The SnapLink is a SCSI communications adapter with a 15.36 MHz 68302 communications processor, three asynchronous/synchronous ports and 64K RAM. Includes 5 volt DC regulated power supply. Please specify power requirements when ordering.
SNAPLINK-256	SCSI communications adapter	$ 1700.00	Same as above with 256K RAM.

VME Hardware

Model	Description	List Price	Comments
H240V	Horizon 240V communications processor board 1MB RAM	$ 2595.00	VMEbus communications processor board with a 10 MHz 68000 CPU, two serial synchronous RS-232 ports, four channels of DMA for high-speed I/O support, and 1MB of RAM.
H240V-2	Horizon 240V communications processor board 2MB RAM	$ 2795.00	Same as above with 2MB of RAM.
H482V	Horizon 482V communications processor board 1MB RAM	$ 3730.00	VMEbus communications processor board with a 20 MHz 68020 CPU, four serial synchronous ports, eight channels of DMA for high-speed I/O support, and 1MB of RAM.
H482V-4	Horizon 482V communications processor board 4MB RAM	$ 4330.00	Same as above with 4MB of RAM.

Morning Star Technologies
Product Price List

X.25 Protocol

Model	Description	List Price	Comments
X.25	X.25 Horizon board software	$ 3495.00	Packet switching protocol for use with 1980, 1984 and 1988 compliant packet data networks. Includes a socket interface, X.3/X.28 PAD interface, and X.29 interface. IP interface included for most systems. Contact Morning Star for list of supported platforms. For use with Morning Star Horizon communication hardware.
X.25-SP	X.25 serial port software	$ 1895.00	Packet switching protocol for use with 1980, 1984 and 1988 compliant packet data networks. Includes a socket interface, X.3/X.28 PAD interface, X.29 interface and IP interface. For use with native system serial port. Contact Morning Star for list of supported platforms.
X.25-SL64	X.25 SnapLink software and hardware	$ 2495.00	Packet switching protocol for use with 1980, 1984 and 1988 compliant public data networks. Includes a socket interface, X.3/X.28 PAD interface, X.29 interface and IP interface. Package includes Morning Star SnapLink communications hardware. Contact Morning Star for list of supported platforms. 64K RAM.
X.25-SL256	Same as above	$ 2695.00	Same as above with 256K RAM.
LAP/LAPB	LAP/LAPB Horizon board software	$ 2195.00	Implementation of the Link Access Procedures (X.25 frame level).

Point-to–Point Protocol

Model	Description	List Price	Comments
PPP-SP	Point-to-Point Protocol serial port software	$ 795.00	Asynchronous serial port TCP/IP communications package providing remote LAN to LAN IP connectivity using the native system serial port. Contact Morning Star for list of supported platforms.
PPP-SL64	Point-to-Point Protocol SnapLink software and hardware	$ 2295.00	SnapLink TCP/IP communications package providing high-speed remote LAN to LAN IP connectivity. Asynchronous or synchronous operation. Package includes SnapLink hardware. Contact Morning Star for list of supported platforms. 64K RAM.
PPP-SL256	Same as above	$ 2495.00	Same as above with 256K RAM.

SNA Protocols

Model	Description	List Price	Comments
SNA 3270-8	SNA 3270 Horizon board software - 8LU	$ 2995.00	Emulates an IBM 3274 cluster controller supporting 8 logical units configured as 3278 terminals and 3287 printers.
SNA 3270-16	SNA 3270 Horizon board software - 16LU	$ 3495.00	Emulates an IBM 3274 cluster controller supporting 16 logical units configured as 3278 terminals and 3287 printers.
SNA 3270-32	SNA 3270 Horizon board software - 32LU	$ 3995.00	Emulates an IBM 3274 cluster controller supporting 32 logical units configured as 3278 terminals and 3287 printers.
SNA 3770	SNA 3770 Horizon board software	$ 2995.00	Emulates an IBM 3776 Model 3 communication terminal, supports 6 simultaneous logical unit sessions.