Corporate
Product
Overview
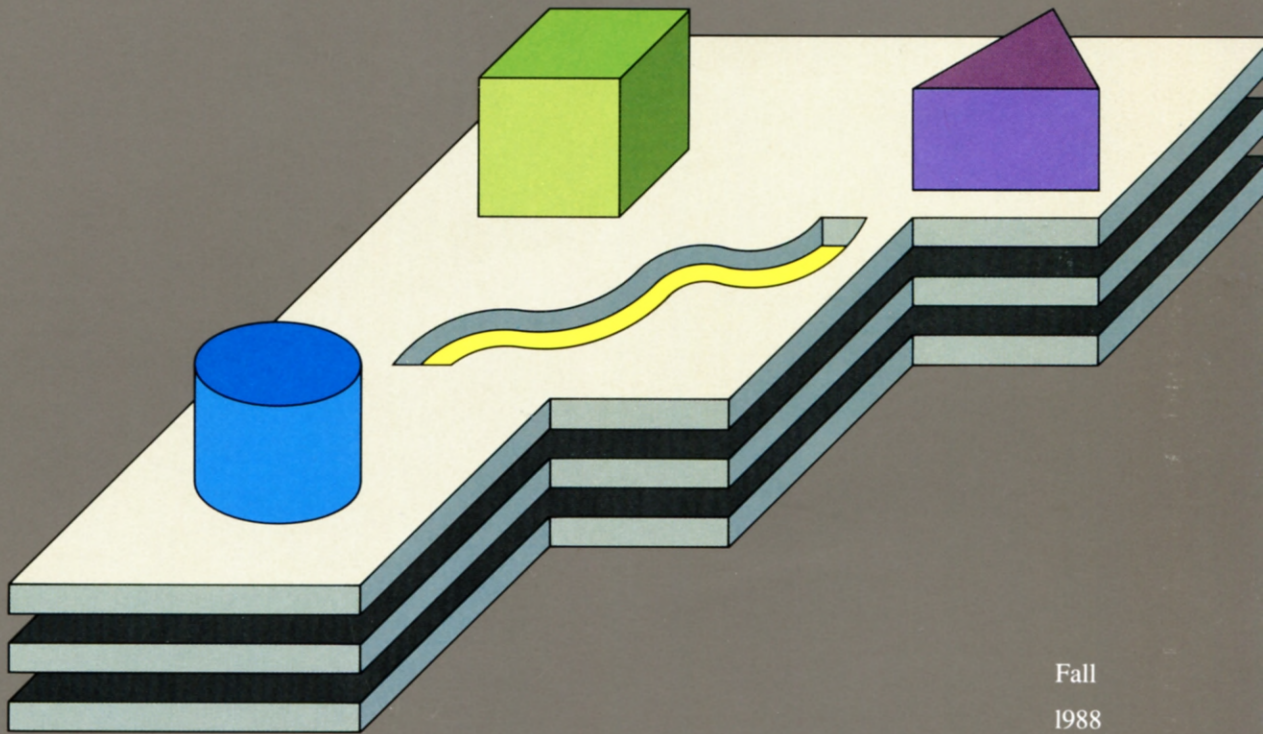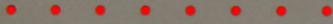
Fall
1988

WESTERN DIGITAL

Contents

STORAGE MANAGEMENT PRODUCTS (OEM)

	Part Number	Technical Information	Power Requirements	Package Size	Product Description
Floppy Disk Controller Devices	WD1772-02	Single chip	+5V	28 pins	WD1772-00 with enhanced digital data separation.
	WD2791A	Inverted data bus	+5V	40 pins	FD179X with built-in analog data separator and write precompensation; single/double density.
	WD2793A	True data bus	+5V	40 pins	FD179X with built-in analog data separator and write precompensation; single/double density.
	WD2795A	Inverted data bus	+5V	40 pins	FD179X with built-in analog data separator and write precompensation. Single/double density and side select output for double-sided drives.
	WD2797A	True data bus	+5V	40 pins	FD179X with built-in analog data separator and write precompensation. Single/double density and side select output for double-sided drives.
	WD37C65B	Floppy subsystem	+5V	40 pin DIP/ 44 pin QSM	Complete floppy subsystem formatter/controller with an enhanced digital data separator (patent pending) and write precompensation with complete IBM* PC XT and PC AT* compatibility modes.
	WD57C65 ♦	Floppy subsystem	+5V	40 pin DIP/ 44 pin QSM	Complete floppy subsystem formatter/controller with an enhanced digital data separator and write precompensation with complete IBM PS/2* Model 30, 50, 60 and 80 compatibility.
Floppy Disk Support Devices	WD1691	8" or 5.25" drives	+5V	20 pins	Floppy disk data separator; write precompensation.
	WD16C92A	CMOS	+5V	40 pins	Floppy support device containing PLL logic/clock, generation/write precompensation and interrupt/DMA timing for IBM's PC AT bus.
	WD2143	2.5 MHz	+5V	18 pins	Four phase clock generator.
	WD9216-01	Single chip	+5V	8 pins	Floppy disk digital data separator.
	WD92C32	CMOS	+5V	8 pins	Enhanced floppy disk digital data separator.
Winchester Disk Controller Devices	WD1010A-05	NMOS, 5 MHz	+5V	40 pin DIP/ 44 pin QSM	ST506 compatible Winchester controller with MFM encode/decode.
	WD2010B-05	NMOS, 5 MHz	+5V	40 pin DIP/ 44 pin QSM	ST506 compatible Winchester controller with MFM encode/decode and 32 bit ECC.
	WD5010A-10	NMOS, 10 MHz	+5V	40 pin DIP/ 44 pin QSM	ST506/ESDI compatible Winchester controller with 32 bit ECC and MFM and NRZ encode/decode. Needs 50C20A for ESDI.
	WD5011-10	NMOS, 10 MHz	+5V	40 pin DIP/ 44 pin QSM	ST506 compatible Winchester controller with RLL 2,7 encode/decode and 32 or 56 bit ECC.
	WD50C12	CMOS, 15 MHz	+5V	40 pin DIP/ 44 pin QSM	ST506 compatible Winchester controller with MFM and RLL encode/decode and 32 or 56 bit ECC.
	ADS-10C00	CMOS, 24 MHz	+5V	68 pin QSM	Programmable Winchester disk controller with 48 bit ECC and NRZ data.
Winchester Disk Controller/ Buffer Manager Device	WD42C22A	CMOS, 20 MHz	+5V	84 pin QSM	High performance, low cost Winchester controller that includes task file registers, buffer manager and CRC/ECC generator/checker. Software selectable MFM, RLL or NRZ disk interface. Supports buffer size to 32 Kbytes.
Winchester Disk Support Devices	WD10C20B	CMOS, 5 MHz	+5V, +12V	28 pin DIP/QSM	Self-adjusting data separator and write precompensation device for MFM data. Includes internal delay line. Compatible with WD1010, WD2010 and WD5010 devices.
	WD10C21A	CMOS, 10 MHz	+5V, +12V	28 pin DIP/QSM	Self-adjusting data separator and write precompensation device for RLL 2,7 data. Compatible with WD5011.
	WD10C22B	CMOS, 10 MHz	+5V, +12V	28 pin DIP/QSM	Self-adjusting 10 MHz data separator with write precompensation for RLL 2,7 or MFM data. Compatible with WD2010B, WD5011, WD50C12 and WD42C22.
	WD11C00-13	CMOS, 5 MHz	+5V	20 pin DIP/ 28 pin QSM	32 bit ECC support device.
	WD11C00-14	CMOS, 10 MHz	+5V	20 pin DIP/ 28 pin QSM	56 bit ECC support device.
	WD11C00-17	CMOS	+5V	68 pin QSM	IBM PC XT interface logic and ECC.
	WD11C00C-22	CMOS	+5V	84 pin QSM	IBM PC AT interface logic and buffer manager.
	WD12C00A-22	CMOS	+5V	84 pin QSM	IBM PC AT interface logic and 1:1 interleave. Full track buffer manager.
	WD50C20A	CMOS, 10 MHz	+5V	40 pin DIP/ 44 pin QSM	ESDI adapter device compatible with WD5010A.

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	Part Number	Technical Information	Power Requirements	Package Size	Product Description
Winchester Disk Support Devices	ADS-3570A	CMOS, 15 MHz	+5V	68 pin QSM	Four-port buffer manager with priority resolution and a programmable SCSI port.
	ADS-5050A	Transceiver	+5V	24 pin .3" DIP	Direct interface to single-ended SCSI bus. For use with ADS-3570A. Configurable for data or control bus.
Error Correction and Optical Devices	WD60C80	CMOS	+5V	28 pin QSM	Reed-Solomon ECC device with variable interleave.
	WD60C31	CMOS	+5V	44 pin QSM	Optical encode/decode device.
Main Memory Device	WD8206	Single chip	+5V	68 pins	Error detection and correction device for main memory units (static and dynamic).
Winchester Board Products	WD1002A-WX1	Board	+5V, +12V	3.85" x 4.95"	Half-slot IBM PC XT, PC AT compatible Winchester controller board (MFM).
	WD1002-27X	Board	+5V, +12V	3.85" x 4.95"	RLL 2,7 half-slot IBM PC XT, PC AT compatible Winchester controller.
	WD1002A-27X	Board	+5V, +12V	3.85" x 5.25"	Half-slot IBM PC XT compatible Winchester controller. RLL, SMT, no jumper selection.
	WDXT-GEN	Board	+5V, +12V	3.85" x 5.5"	Half-slot IBM PC XT compatible Winchester controller. MFM, through-hole, no jumper selection.
	WD1003-WAH	Board	+5V, +12V	3.85" x 10"	Winchester controller with IBM PC AT compatible interface. RLL 2,7 version available (-RAH).
	WD1003S-WAH	Board	+5V, +12V	3.85" x 6.5"	Surface mount technology version of WD1003-WAH. RLL 2,7 version available (-RAH).
	WD1003-WA2	Board	+5V, +12V	4.5" x 13.1"	Winchester and floppy controller board with IBM PC AT compatible interface. RLL 2,7 version available (-RA2).
	WD1003S-WA4	Board	+5V, +12V	3.85" x 13.1"	Winchester and floppy controller board with parallel and serial ports.
	WD1005-WAH	Board	+5V	3.85" x 13.1"	10 Mbps ESDI controller board with IBM PC AT compatible interface. (2:1 interleave).
	WD1006S-WAH	Board	+5V, +12V	3.85" x 6.1"	High performance SMT Winchester controller board with AT compatible interface. RLL version available (-RAH).
	WD1003V-SM1	Board	+5V, +12V	3.85" x 8.3"	High performance SMT Winchester controller board with AT interface. Winchester floppy version (SM2) and RLL version with BIOS available (SR1/SR2). 2:1 interleave.
	WD1006V-SM1	Board	+5V, +12V	3.85" x 8.3"	High performance SMT Winchester controller board with AT interface. Winchester floppy version (SM2) and RLL version with BIOS available (SR1/SR2). 1:1 interleave.
	WD1007A-WAH	Board	+5V	3.85" x 8.1"	High performance ESDI (10 Mbyte/sec) controller with AT compatible interface. Winchester floppy version available (-WA2).
	WD1006V-MC1 ♦	Board	+5V, +12V	3.5" x 11.5"	IBM Micro Channel* compatible ST506 Winchester disk controller. RLL version available (-MCR).
	WD1007V-MC1 ♦	Board	+5V	3.5" x 11.5"	IBM Micro Channel compatible ESDI disk controller.
Floppy Board Product	WD1002A-FOX	Board	+5V, +12V	3.85" x 4.95"	IBM PC XT and PC AT compatible floppy/floppy-tape controller using the WD37C65A. Up to four drive support including 1.44 Mbyte, 720K, 3 1/2" drives. External connectors optional.
Tape Drive Controller Products	ADS-4360	CMOS	+5V	68 pins	Streaming tape interface controller for QIC-36 interface and QIC-24 and QIC-11 media formats.
	WD24C02	Single chip	+5V	40 pins	Read/write formatter.
	WD1036S-WX2	Board	+5V, +12V	3.85" x 13"	1/4" tape controller (IBM PC XT to QIC-36).
	ADSI-T100	Board	+5V, +12V	5.60" x 7 75"	SCSI to QIC-36, QIC-120 tape controller board.
Integrated Winchester Disk Drives (Includes embedded disk controller on a single card)	WD93028-X	Drive	+5V, +12V	H 1.625" x W 4" x D 5.75" 1.8 lbs.	Half-height 3.5" 20 Mbyte Winchester disk drive with an average access time of 70 msec. and an IBM PC XT interface.
	WD93048-X	Drive	+5V, +12V	H 1.625" x W 4" x D 5.75" 1.8 lbs.	Half-height 3.5" 40 Mbyte Winchester disk drive with an average access time of 70 msec. and an IBM PC XT interface.
	WD93028-A	Drive	+5V, +12V	H 1.625" x W 4" x D 5.75" 1.8 lbs.	Half-height 3.5" 20 Mbyte Winchester disk drive with an average access time of 70 msec. and an IBM PC AT interface.
	WD93048-A	Drive	+5V, +12V	H 1.625" x W 4" x D 5.75" 1.8 lbs.	Half-height 3.5" 40 Mbyte Winchester disk drive with an average access time of 70 msec. and an IBM PC AT interface.
	WD93044-A	Drive	+5V, +12V	H 1.625" x W 4" x D 5.75" 1.8 lbs.	Half-height 3.5" 40 Mbyte Winchester disk drive with an average access time of 29 msec. and an IBM PC AT interface.

STORAGE MANAGEMENT PRODUCTS (OEM) cont.

	Part Number	Technical Information	Power Requirements	Package Size	Product Description
SCSI Bus Controller Devices	WD33C92	CMOS	+5V	48 pin DIP/ 44 pin QSM	Single chip SCSI bus controller device with control signals for external drivers.
	WD33C93	CMOS	+5V	40 pin DIP/ 44 pin QSM	Single chip SCSI bus controller with internal 48 mA drivers.
	WD33C93A	CMOS	+5V	40 pin DIP/ 44 pin QSM	Feature enhanced WD33C93.
High Performance SCSI Bus Host Adapter Products	7000-ASC	Board	+5V	IBM PC AT	4 Mbyte/sec intelligent SCSI channel controller for IBM's PC AT Floppy controller included.
	7000-FASST2	Board	+5V	IBM PC AT	SCSI bus host adapter with operating software for MS-DOS*, SYTOS* 3.0, NetWare* 2.1 and XENIX* 4 Mbyte/sec intelligent SCSI channel for IBM's PC AT Floppy controller included.
	7000-MSC ◆	Board	+5V	3.5" x 11.5"	IBM Micro Channel compatible SCSI host bus adapter.
SCSI Board Products	WDl002S-SHD	Board	+5V, +12V	5.75" x 4"	Winchester controller board with SASI interface. Utilizes surface mount technology.
	WDl003A-SCS	Board	+5V, +12V	5.75" x 8"	SCSI interface Winchester controller board supports two ST506 disk drives.
	WDl003B-SCS	Board	+5V, +12V	5.75" x 8"	SCSI interface Winchester controller board supports two ST506 disk drives. For Apple* use only.
	ADSl-D2l5S-D4l5S	Board family	+5V	5.75" x 7 75"	SCSI interface Winchester controller board supports up to four ESDI disk drives. Synchronous data transfers.

NETWORK SYSTEMS PRODUCTS (OEM)

	Part Number	Technical Information	Power Requirements	Package Size	Product Description
SCSI Bus Host Adapter Products	WDSCS-ATS	VersaStak™ host adapter	+5V 10 W max.	13.4" x 4.2"	Sixteen bit SCSI host adapter for VersaStak connection to the PC bus (IBM AT format only).
	WDSCS-ATXT	VersaStak host adapter	+5V	4.25" x 4.2"	Eight bit SCSI host adapter used for VersaStak connection to the PC bus (jumper selectable to IBM's PC XT or PC AT).
	WDATXT-FAAST	SCSI host adapter	+5V	4.25" x 4.2"	PC AT, PC XT adapter with SST software package.
Subsystems	VersaStak	N/A	N/A	N/A	A family of interlocking modules that provide high performance, state-of-the-art add-on external peripherals connected through a SCSI port.
	WDPM	VersaBase power module	110VAC, 60Hz 220VAC, 50Hz 238 W max.	D 12.5" x H 4.95" x W 9.38"	Base power module of the VersaStak architecture that supports up to seven stacked peripheral modules.
	WD85DM	VersaDisk85™ 85 Mbyte hard disk module	40 W max.	D 12.5" x H 4.95" x W 9.38"	A Winchester disk module providing 67 Mbytes of formatted capacity with an ESDI interface and 28 msec average access time.
	WDl70DM	VersaDiskl70™ 170 Mbyte hard disk module	35 W max.	D 12.5" x H 4.95" x W 9.38"	A Winchester disk module providing 146 Mbytes of formatted capacity and 16.5 msec average access time.
	WD380DM	VersaDisk380™ 380 Mbyte hard disk module	35 W max.	D 12.5" x H 4.95" x W 9.38"	A Winchester disk module providing 320 Mbytes of formatted capacity and 18 msec average access time.
	WD60TM	VersaTape60™ 60 Mbyte tape module	48 W max.	D 12.5" x H 4.95" x W 9.38"	High speed 60 Mbyte l/4" streaming tape backup including SYTOS backup and restore software.
	WDl20TM	VersaTapel20™ 120 Mbyte tape module	55 W max.	D 12.5" x H 4.95" x W 9.38"	High speed l20 Mbyte l/4" streaming tape backup including SYTOS backup and restore software.
	WDCDM	VersaROM™ 599 Mbyte CD ROM drive	10 W max.	D 12.5" x H 4.95" x W 9.38"	A "Read Only" optical compact disk storage module providing 599 Mbytes of large scale database convenience.
	WDWDM	VersaWORM™ 800 Mbyte WORM drive	30 W max.	D 12.5" x H 4.95" x W 9.38"	A "Write Once, Read Many" optical disk drive module with 800 Mbytes of storage.
	WDSMB	VersaServe™	110VAC, 60Hz 220VAC, 50Hz	N/A	A dedicated server module providing 286, l2 MHz processing power and memory expansion to 4 Mbytes. The VersaStak server module provides 4 IBM PC AT compatible expansion slots, one integrated 3.5" floppy drive and EGA graphics controller.

NETWORK SYSTEMS PRODUCTS (OEM) cont.

	Part Number	Technical Information	Power Requirements	Package Size	Product Description
Subsystems	WDSMB20-S	StarLAN version of WDSMB with 20 MB hard disk	ll0VAC, 60Hz 220VAC, 50Hz	N/A	WDSMB configuration with the addition of StarLAN and 20 Mbyte hard disk drive.
	WDSMB20-E	Ethernet version of WDSMB with 20 MB hard disk	ll0VAC, 60Hz 220VAC, 50Hz	N/A	WDSMB configuration with the addition of Ethernet and 20 Mbyte hard disk drive.

COMMUNICATIONS PRODUCTS (OEM)

	Part Number	Technical Information	Power Requirements	Package Size	Product Description
Packet Switching Devices	WD4025A-PCD	Plug-in board for IBM's PC, PC XT, PC AT and compatibles	+5V, -5V, +12V	3.85" x 13"	High performance data link controller using the WD25llA chip with an RS-232-C interface. Supports HDLC and X.25 LAPB communications. Includes MS-DOS driver software, data transfer utility programs and diagnostics.
	WD4025A-PCX25D	Plug-in board with FleX.25 software (XT only)	+5V, -5V, +12V	3.85" x 13"	WD4025A-PCD product plus FleX.25 software library that provides X.25 packet layer services for software developers.
StarLAN Board Products	WD8000SL-TSB	StarLAN adapter board	+5V	4.3" x 4.6"	StarLAN adapter board for Toshiba's T3100* and T5100* portable computers.
	WD8003S ♦	High performance StarLAN PC adapter board	+5V	3.9" x 6"	StarLAN adapter board for IBM's PC, PC XT, PC AT and PS/2* Models 25 and 30, with high performance CMOS LAN controller and 8K buffer memory.
	WD8003SH ♦	High performance StarLAN PC adapter board with integral hub	+5V, +12V	3.9" x l0"	WD8003S board with StarLAN compatible two-port hub for daisy chaining. Has boot ROM capability.
	WD8003ST/A ♦	StarLAN adapter board, Micro Channel compatible	+5V	3.5" x ll.5"	High performance StarLAN adapter board with l6K buffer memory and boot ROM socket.
	WDLAN-H ♦	Ten-port StarLAN hub	ll5VAC, 60 Hz 230 VAC, 50 Hz 20 W max.	D 6.6" x H 2" x W 13.8	Stand-alone l0-port StarLAN hub with built-in system test capability and l7 status indicators.
Ethernet Board Products	WD8003E ♦	Ethernet/Thin Ethernet PC adapter board	+5V, +12V	3.9" x 5.25"	Ethernet adapter board for IBM's PC, PC XT, PC AT and PS/2 Models 25 and 30, with high performance CMOS LAN controller, 8K buffer memory and on-board Thin Ethernet transceiver.
	WD8003EBT ♦	Ethernet PC adapter board with boot ROM capability	+5V, +12V	3.9" x 6.7"	Enhanced version of WD8003E with expanded 32K RAM and l6, 32 or 64K boot ROM socket.
	WD8003ET/A ♦	Ethernet adapter board, IBM Micro Channel compatible	+5V, +12V	3.5" x ll.5"	Version of WD8003EBT Ethernet/Thin Ethernet adapter board for IBM Micro Channel compatible machines. Has l6K buffer RAM and boot ROM socket.
	WD8003WT ♦	Ethernet Twisted Pair adapter board	+5V, +12V	4.2" x l3.3"	l0 Mbps Ethernet adapter board with standard Ethernet AUI connector plus direct connection to LattisNet* compatible Twisted Pair networks. Has 32K RAM and boot ROM socket.
Software	WDLAN-TCP WDLAN-TCPLIC ♦	PC/TCP* Network protocol software	N/A	5 diskettes	TCP/IP protocols including FTP, Telnet and SMTP, plus Berkeley 4BSD extensions for WD8003 series LAN adapters. Available in single-user, 20-user and 50-user packaging. Application interface and OEM license to copy available.
	WDLAN-TCPNB ♦	NetBIOS network protocol software for PC/TCP	N/A	1 diskette	NetBIOS interface for terminate and stay resident version of above.
	WDLAN-WATCH ♦	LANWatch* network analysis software	N/A	2 diskettes	Network analyzer software utilizing WD8003 series StarLAN or Ethernet adapters. User customization software included.
	WD8000-NB WD8003-NB	Network protocol software	N/A	1 diskette	NetBIOS interface program license with OSI Class 4 Transport Protocol for WD8000 or WD8003 LAN adapter boards.
Packet Switching Boards	WD25llA ♦	X.25 LAPB (l,200 bps to 1.1 Mbps)	+5V, +12V	48 pin DIP	Complete link layer packet switching controller, CCITT X.25 compatible. On-chip dual channel DMA controller. Self-test features. Telenet* certified.
	WD25l2 ♦	Enhanced X.25 LAPB interface Controller	+5V	48 pin DIP/ 68 pin PLCC	Enhanced WD25llA. Expanded operation in group IV facsimile and teletex operation. Tl and CEPT receive/ transmit speeds.
	WD2507 ♦	CCITT Signalling System #7	+5V	48 pin DIP/ 68 pin PLCC	Provides link layer of SS #7(Q.703). On-chip dual channel DMA controller. Pin compatible with WD25llA and WD25l2.

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	Part Number	Technical Information	Power Requirements	Package Size	Product Description
Packet Switching Devices	WD25Cl7 ♦	Enhanced Synchronous Serial Communication Device (ISDN)	+5V	68 pin DIP	High performance ISDN, HDLC, SDLC controller with DMA. Up to 4 Mbps serial data rate. PCM Highway Iinterface. Programmable rate adaption for PCM interface. Digital. Phase Lock Loop.
HDLC/SDLC Bit-Oriented Controller Device	WDl935A ♦	1.5, 2.0, 3.0, 4.0 Mbps	+5V	40 pin DIP/ 44 pin PLCC	Synchronous Data Link Controller. Compatible with SDLC, ADCCP, HDLC and ISDN protocols. Received End-Of-Message status output. Supports SDLC loop mode. Suitable for DMA interface.
StarLAN Devices	WD83C5l0A ♦	StarLAN hub controller	+5V	40 pin DIP/ 44 pin PLCC	Ten-port StarLAN Hub Controller cascadable to support up to 40 ports.
	WD83C580A	PC bus interface controller	+5V	68 pin PLCC	Handles interface between IBM's PC bus and PC adapter boards.
Ethernet Devices	WD83C690	Ethernet network interface controller	+5V	68 pin PLCC	Implements all Media Access Control layer functions for transmission and reception of packets with IEEE 802.3 protocol for use in networks such as Ethernet, Cheapernet, StarLAN and the IBM PC Network Broadband and Baseband.
	WD83C69l	Ethernet data separator	+5V	28 pin PLCC/ 24 pin skinny DIP	Provides complete Manchester data encoding and decoding functions, including ECL-like balanced driver and receiver, on-board crystal oscillator, collision signal translator and a diagnostic loop-back circuit for IEEE 802.3 Ethernet/Cheapernet LANs.
	WD83B692	Ethernet input/ output transceiver	-9V	16 pin DIP	Coaxial cable line driver/receiver for IEEE 802.3 Ethernet/Cheapernet LANs. This transceiver is part of 3 chip set which performs all layer 1 & 2 input/output, line interface and media access control functions for Ethernet.
	WD83C583	Ethernet AT/XT bus interface controller	+5V	84 pin PLCC	Provides interface between National Semiconductor's 8390 and the WD83C690 Ethernet/Cheapernet Network Interface controller and PC AT/PC XT bus.
	WD83C593	Ethernet Micro Channel bus interface controller	+5V	84 pin PLCC	Provides interface between National Semiconductor's 8390 and the WD83C690 Ethernet/Cheapernet Network Interface controller and the Micro Channel bus.
Token Controller Device	WD2840A ♦	Token Access Controller (1 Mbps)	+5V, +l2V	48 pin DIP	Local Area Network Controller for token passing. Transmission media, topology and operating system independent. Automatic network reconfiguration. Built-in DMA.
Data Security Devices	WD200l ♦	0.5, 2.0 and 3.0 MHz clock	+5V, +l2V	28 pin DIP	Data Encryption device. Executes DES algorithm. National Bureau of Standard FIPS #46 certified.
	WD20C03A ♦	5.0, 8.0 and l0.0 MHz clock/CMOS	+5V	28 pin DIP/ 28 pin PLCC	Single port CMOS Data Encryption device. Enhances WD200l. Encrypts using either Electronic Code Book (ECB) or Cipher Block Chaining (CBC). Pin compatible to the WD200l.
UART Universal Asynchronous Receiver/ Transmitter	TRl863/ TRl865 ♦	1.0, 2.5 and 3.5 MHz clock	+5V	40 pin DIP/ 44 pin PLCC	Programmable Transmitter/Receiver. Selectable Word Length, Stop Bits (l, l.5 or 2 stop bits) and Parity (even, odd or none). Features False Start Bit detection, Three-State status data outputs. TRl865 has internal pull-up resistors on all inputs.
BOART Bus-Oriented Asynchronous Receiver/ Transmitter Devices	WD8250/ WD82C50/ WDl6C450 ♦	1.8 or 3.1 MHz clock	+5V	40 pin DIP/ 44 pin PLCC	Asynchronous Communication Element. Bus-Oriented UART with on-chip Baud Rate Generator, prioritized interrupt controls, RS-232-C interface and double buffering. WD82C50 is the CMOS version of the WD8250. WDl6C450 is an enhanced version of the WD82C50.
	WDl6C550 ♦	Asynchronous Communication Element (ACE) with FIFO 3.1 MHz clock	+5V	40 pin DIP/ 44 pin PLCC	CMOS Asynchronous Communication device with on-chip Baud Rate Generator. Programmable FIFOs for reducing CPU overhead. Full set of modem control functions. Pin compatibility with WDl6C450.
	WDl6C452/ WDl6C552 ♦	Dual Asynchronous Communication Element with a Bi-directional Parallel Data Port and FIFOs	+5V	68 pin PLCC	Dual WDl6C450 (WDl6C550) with parallel port for direct printer interface. Individual modem control signals for each serial port. l6 byte wide FIFOs incorporated in WDl6C552.
	WD2l23 ♦	1.8 MHz clock	+5V	40 pin DIP/ 44 pin PLCC	DEUCE. Two-channel BOART (Bus-oriented UART.) On-chip dual Baud Rate Generator. Software compatible with WD825lA.

	Part Number	Technical Information	Power Requirements	Package Size	Product Description
ASTRO Asynchronous/ Synchronous Transmitter/ Receiver	UC1671 ◆	1.0 MHz	+5V, -5V, +12V	40 pin DIP	Designed for multiplexed bus operation with other bus-oriented devices. Vectored interrupt capability and pin programmable ID address (maximum 32 ASTROs). Double buffering, eight selectable clock rates, on-line diagnostic.
GPIB Controller Device	WD9914 ◆	0.5 to 5.0 MHz clock	+5V	40 pin DIP/ 44 pin PLCC	Provides interface between a microprocessor and the IEEE 488 GPIB. Talker, listener and controller functions.
LIFO/FIFO Buffer Device	WD1510 ◆	0.65, 1.0 and 1.5 MHz clock	+5V	28 pin DIP	LIFO/FIFO. Selectable word length. 9 by 128 or 132 deep. Two Bi-directional Async data ports.
Baud Rate Generator	WD1943/ WD1945 ◆	Xtal or TTL	+5V	18 pin DIP	Dual Baud Rate Generator. Three versions of selectable baud rate. WD1945 has an F/4 output.
CRT Controller Devices	WD8275 ◆	2.0 and 3.0 MHz	+5V	40 pin DIP	Programmable CRT controller to interface a raster scan display with computer systems. Programmable screen and character formats. Cursor control. 11 visual characters, 6 Field Attributes and Light Pen detection.
	WD8276 ◆	2.0 and 3.0 MHz	+5V	40 pin DIP	Programmable CRT controller to interface a raster scan display with computer systems. Programmable screen and character formats. Cursor controls. 6 Field Attributes.

VIDEO PRODUCTS (OEM)

	Part Number	Technical Information	Power Requirements	Package Size	Product Description
Paradise™ Devices	PVGA1B	Video LSI (VGA)	+5V	100 pin PLCC/ 100 pin PFP	Single chip VGA with 100% hardware compatibility with IBM EGA, CGA, MDA and Hercules* modes. 1026 x 768 x 16 interlaced mode and 45 MHz dot clock are also supported.
	PVGA1A	Video LSI (VGA)	+5V	100 pin PLCC/ 100 pin PFP	Single chip multimode VGA video controller with hardware and BIOS level compatibility. Provides 100% IBM VGA, EGA, CGA, MDA and Hercules graphics compatibility.
	PEGA2A	Video LSI (EGA)	+5V	84 pin PLCC	Includes all PEGA1A modes with the addition of 640 x 480 EGA, 132 column text mode, locking registers, 30 MHz maximum dot clock.
	PEGA1A	Video LSI (EGA)	+5V	84 pin PLCC	Single chip multimode EGA video controller with integral 6845 CRTC. Provides 100% IBM EGA, CGA, MDA, Hercules graphics and Plantronics COLORPLUS* compatibility.
	PVC4	Video LSI (pre-EGA)	+5V	100 pin PFP	Single chip video controller which integrates 6845 and other logic. Greatly reduces chip count in CGA, Plantronics COLORPLUS, Hercules graphics, MDA and AT&T 6300 video implementation.
	PVC4A	Video LSI (pre-EGA)	+5V	100 pin PFP	Single chip video controller which integrates 6845 and other logic. Greatly reduces chip count in CGA, Plantronics COLORPLUS, Hercules graphics, MDA and AT&T 6300 video implementation with addition of 132 column text mode.
	P9150	Video support LSI (VGA)	+5V	44 pin PLCC	Color palette chip which is functionally similar to the Brooktree Bt471 palette chip.
	V9502	Video support LSI (VGA)	+5V	44 pin PFP	Programmable clock generator with frequencies selectable up to 70 MHz.
	PBI	Video support LSI (EGA)	+5V	68 pin PLCC	Bus interface used in conjunction with PEGA1A and PEGA2A to significantly reduce chip count of EGA implementation.
	PPC1	Video support LSI	+5V	40 pin DIP	IBM compatible parallel port chip.
	PPC2	Video support LSI	+5V	44 pin PLCC	IBM compatible parallel port chip with bi-directional capability.
Paradise Board Products	OEM 8/16 F512 ◆	Video board	+5V	5" x 8-7/8"	16 bit (AT bus) 100% IBM VGA hardware compatible video card with 512K DRAM. Provides 800 x 600 in 16 colors, 640 x 480 in 256 colors and 132 column text mode. Offers full compatibility, 3/4 length form factor and comes with 16 and 256 color Microsoft* Windows* drivers. Works with IBM's PC, AT, XT and PS/2 Models 25 and 30.
	OEM 8/16 ◆	Video board	+5V	5" x 8-7/8"	16 bit (AT bus) 100% IBM VGA hardware compatible video card with 256K DRAM. Provides 800 x 600 in 16 colors and 132 column text mode. Offers full compatibility, 3/4 length form factor and comes with 16 and 256 color Microsoft Windows drivers. Works with IBM's PC, AT, XT and PS/2 Models 25, 30 and compatibles.

VIDEO PRODUCTS (OEM) cont.

	Part Number	Technical Information	Power Requirements	Package Size	Product Description
Paradise Board Products	OEM 8 ♦	Video board	+5V	5" x 5-7/8"	100% IBM VGA hardware compatible video card. Offers full compatibility and 132 column text. Displays 800 x 600 resolution in 16 colors. Half card form factor Works with IBM's PC, PC AT, PC XT and PS/2* Models 25, 30 and compatibles. Comes with fast 16 color Windows drivers.
	OEM 6M/ 22600	Video board	+5V	5" x 5-7/8"	Advanced EGA video board with AutoSwitch® mode control, 132 column text mode and bundled software drivers. 100% compatible with EGA (plus 640 x 480 line resolution), CGA, Plantronics COLORPLUS, Hercules graphics and MDA.
	OEM 3/ 28700	Video board	+5V	5" x 5-7/8"	EGA video board with 640 x 350 line resolution and AutoSwitch mode control. 100% compatible with EGA, CGA, Plantronics COLORPLUS, Hercules graphics and MDA.
	OEM 2T/ 28200	Video board	+5V	5" x 5-7/8"	EGA video board with 640 x 350 line resolution. 100% compatible with EGA, CGA, Plantronics COLORPLUS, Hercules graphics and MDA.
	Hi-Res card with parallel port/31000P	Video board	+5V	5" x 5-7/8"	100% IBM CGA, Plantronics COLORPLUS, MDA and Hercules graphics compatible, with parallel port.
	Hi-Res card without parallel port/ 31000NP	Video board	+5V	5" x 5-7/8"	100% IBM CGA, Plantronics COLORPLUS, MDA and Hercules graphics compatible.
Verticom™ Board Products	HX16/AT	Video board	+5V	N/A	High performance graphics card. 1024 x 768, 16 color, AT bus, full size. VGA pass-through, IBM 8514 AI compatible.
	HX16/MC	Video board	+5V	N/A	High performance graphics card. 1024 x 768, 16 color, IBM PS/2 Micro Channel bus, VGA pass-through, IBM 8514 AI compatible.
	HX256/AT	Video board	+5V	N/A	High performance graphics card. 1024 x 768, 256 color, AT bus, full size. VGA pass-through, IBM 8514 AI compatible.
	HX256/MC	Video board	+5V	N/A	High performance graphics card. 1024 x 768, 256 color, IBM PS/2 Micro Channel bus, VGA pass-through, IBM 8514 AI compatible.
	HX-256C	Upgrade module	+5V	N/A	Color upgrade kit for HX16/AT or HX16/MC. 16 to 256 colors.

INTEGRATED SYSTEMS PRODUCTS (OEM)

	Part Number	Technical Information	Power Requirements	Package Size	Product Description
Core Logic Devices	FE2010A	CMOS 4.77/ 7.15/9.54 MHz	+5V	84 pin PLCC	Integrated CPU and peripheral controller that allows design of a PC Bus compatible system with 4.77, 7.15 and 9.54 MHz speeds. It typically reduces size by up to 77% by replacing 71 devices which include six Intel* peripheral controller ICs.
	FE3000A	CMOS, 12 MHz	+5V	84 pin PLCC	CPU control logic equivalent to an IBM PC AT FE3000A replaces 53 IC components with a single CMOS 84 pin, J-leaded package.
	FE3001	CMOS, 16 MHz	+5V	84 pin PLCC	IBM PC AT compatible CPU control logic. Provides software selectable clock rates and low-power sleep mode. Supports the use of 8 bit boards.
	FE3010B	CMOS, 12 MHz	+5V	84 pin PLCC	Peripheral control logic equivalent to an IBM PC AT FE3010B replaces 21 IC components and has been designed to be fully compatible with the Intel discrete devices.
	FE3020	CMOS, 12 MHz	+5V	84 pin PLCC	Address buffer integrated circuit equivalent to an IBM PC AT Offers reduced cost through lower power requirements with an 18 mA output drive.
	FE3021	CMOS, 16 MHz	+5V	132 pin JEDEC	IBM PC AT compatible address buffer and memory controller. Controls interleaved, page mode DRAMs at 0.7 wait state for 100 nsec devices. Provides fast mode switching for IBM OS/2* support. Allows mapping of video and system BIOS into a single 16 bit device. LIM 4.0 support.
	FE3030	CMOS, 12 MHz	+5V	84 pin PLCC	Data buffer integrated circuit equivalent to an IBM PC AT FE3030 CMOS technology provides designers with an 18 mA output drive with the IBM PC AT compatibility needed to build single-board computers.

	Part Number	Technical Information	Power Requirements	Package Size	Product Description
Core Logic Devices	FE3031	CMOS, 16 MHz	+5V	100 pin PLCC	IBM PC AT compatible data buffer. Provides 24 mA output drive, parity control and support for 8 or 16 bit data buses and boards.
	FE3040	CMOS, 12 MHz	+5V	84 pin PLCC	I/O manager device. The FE3040 device is designed to reduce chip count, increase flexibility and provide improved operating speed and functionality. The chip features clock switch, chip selects, memory decode and hot reset.
	FE3400B	IBM PC AT compatible	+5V	(4) 84 pin PLCC	Consists of four ICs: FE3000A, FE3010B, FE3020 and FE3030. The FE3400B is a highly integrated chipset that allows designers to reduce chip count, increase flexibility and improve operating speed for an IBM PC AT compatible system board.
	FE3500B	IBM PC AT compatible	+5V	(5) 84 pin PLCC	Consisting of five ICs, the FE3500B chipset differs from the FE3400B chipset by the addition of the FE3040 I/O manager, which allows greater flexibility and cost savings for your total IBM PC AT system.
	FE3600	CMOS, 16 MHz IBM PC AT compatible	+5V	84 pin PLCC	Consisting of four ICs, the FE3600 chipset provides 16 MHz and 0.7 wait state. Supports IBM's OS/2 and LIM 4.0. Permits minimum form factor boards. Fully programmable. Total system needs six additional ICs, plus memory.
CPU Core Logic Devices	FE2011 ◆	IBM PS/2* Model 30 compatible core logic	+5V	132 pin JEDEC PQFP	Single chip implementation of all core logic needed to support the 16 bit Intel 8086 CPU of an IBM PS/2 Model 30 compatible computer. 100% hardware and software compatible. 10 MHz clock rate improves Model 30 performance by up to 25%.
	FE5000 ◆	CMOS	+5V	132 pin JEDEC PQFP	Peripheral and CPU control for IBM PS/2 compatibles.
	FE5010 ◆	CMOS	+5V	132 pin JEDEC PQFP	DMA control, CACP, Channel control and basic memory controls for 80386SX and 80286 based IBM PS/2 compatibles.
	FE5020 ◆	CMOS	+5V	132 pin JEDEC PQFP	Address and data buffers for 80386SX and 80286 based IBM PS/2 compatibles.
	FE5030 ◆	CMOS	+5V	132 pin JEDEC PQFP	Memory and cache control for 80386SX and 80286 PS/2 compatibles. Features include: cache control logic supporting an unlimited amount of cache memory; the ability to mix DRAM types (256K, 1MB and 4MB DRAMs); page mode with interleaving (1, 2 or 4 way); EMS (LIM 4.0) support; shadow RAM.
	FE5300 ◆	CMOS 10, 12.5, 16 MHz	+5V	(3 devices) 132 pin JEDEC PQFP	Low cost 80386SX and 80286 MCA compatible chipset. The FE5300 chipset includes the FE5000, the FE5010 and the FE5020.
	FE5400 ◆	CMOS 10, 12.5, 16 MHz	+5V	(4 devices) 132 pin JEDEC PQFP	High performance 80386SX and 80286 MCA compatible chipset. The FE5400 chipset includes the FE5000, the FE5010, the FE5020 and the FE5030.
	FE6000 ◆	CMOS	+5V	132 pin JEDEC PQFP	Peripheral and CPU control for IBM PS/2 compatibles. Includes support for the 80387
	FE6010 ◆	CMOS	+5V	132 pin JEDEC PQFP	DMA control and CACP logic for 80386 based IBM PS/2 compatibles.
	FE6022 ◆	CMOS	+5V	132 pin JEDEC PQFP	Address and data buffers for 80386SX and 80286 based IBM PS/2 compatibles. Two devices are required for the implementation.
	FE6030 ◆	CMOS	+5V	132 pin JEDEC PQFP	Advanced memory and cache control for 80386 based IBM PS/2 compatibles. Features include: a high performance direct mapped cache control logic supporting unlimited cache memory; support for 256K, 1MB and 4MB DRAMs; the ability to mix DRAM types; page mode; shadow RAM.
	FE6500 ◆	CMOS 16, 20, 25 MHz	+5V	(5 devices) 132 pin JEDEC PQFP	High performance 80386 MCA compatible chipset. The FE6500 chipset includes the FE5000 or FE6000, the FE6010, the FE6020 (2) and the FE6030.
Evaluation Board Products	IBM PC AT equivalent motherboard	IC evaluation board	N/A	N/A	Complete chipset evaluation board equivalent to an IBM PC AT
	IBM PC equivalent motherboard	IC evaluation board	N/A	N/A	Complete chipset evaluation board equivalent to an IBM PC.

INTEGRATED SYSTEMS PRODUCTS (OEM) cont.

	Part Number	Technical Information	Power Requirements	Package Size	Product Description
Evaluation Board Products	FE5400-SK ◆	80286 MCA compatible system design kit	+5V; 3A +l2V, -l2V	ll" x 16"	IBM PS/2* Model 60 compatible system board for evaluating the FE5400 chipset in an 80286 based implementation. Includes Western Digital's fully integrated VGA controller (PVGAlA) and floppy diskette controller (WD57C65).
	FE5400-SK2 ◆	80386SX MCA compatible system design kit	+5V; 3A +l2V, -l2V	ll" x 16"	80386SX MCA compatible system board for evaluating the FE5400 chipset. Includes Western Digital's fully integrated VGA controller (PVGAlA), floppy diskette controller (WD57C65) and dual serial and parallel device (WDl6C552).
	FE6500-SK ◆	80386 MCA compatible system design kit	+5V; 3A +l2V, -l2V	ll" x 16"	IBM PS/2 Model 80 compatible system board for evaluating the FE6500 chipset. Includes Western Digital's fully integrated VGA controller (PVGAlA), floppy diskette controller (WD57C65) and dual serial and parallel port device (WDl6C552).
Board Products	FE642l	Integrated subsystem	+5V, +l2V	l2" x 8.5"	Integrated subsystem equivalent to an IBM PC XT at 4.77/7.l5 MHz. (64, 256 or 640 Kbytes.)
	BUS AT/8 MHz	Plug-in integrated subsystem	+5V	4.8" x 13.15"	Plug-in integrated subsystem, equivalent to an IBM PC AT, 8 MHz, zero wait state.
	BUSPC/256	Plug-in integrated subsystem	+5V	4.2" x 13.15"	Plug-in integrated subsystem, equivalent to an IBM PC XT at 4.77/7.l5 MHz.
	MICROPC-l0	Plug-in integrated subsystem	+5V	4.2" x 6.2"	Plug-in integrated subsystem, equivalent to an IBM PC XT at 4.77/7.l5/9.54 MHz.
	FE8SBP	Backplane	N/A	8.5" x 7"	Passive backplane equivalent to an IBM PC AT
	WD286-WDM20	Integrated subsystem	+5V; 3A +l2V, -l2V	8.5" x 12"	l2.5 MHz, one wait state, equivalent to an IBM PC AT Integrated EGA, FDC, HDC, I/O.
	WD286-WDP	Plug-in integrated subsystem	+5V; 2A	4.2" x 13.3"	80286-based plug-in integrated subsystem equivalent to an IBM PC AT; l2 MHz, one wait state; one parallel port.
	WD30-WDM2 ◆	Integrated subsystem	+5V; 4A +l2V, -l2V	8.5" x 12"	l0 MHz, zero wait state IBM PS/2 Model 30 compatible design. Integrated FDC, HDC, I/O, VGA.
	FE50-SB1 ◆	Integrated subsystem	+5V; 5A +l2V, -l2V	ll" x 13"	80286 MCA system board equivalent to IBM PS/2 Model 50. l0, l6 and 20 MHz. Up to 8 Mbyte DRAM on board. Optional 32 Kbyte cache. EMS LIM 4.0 support. Contains a fully integrated VGA controller, floppy controller, two high speed serial ports, a bi-directional parallel port and 4 expansion slots.
	FE65-SB1 ◆	Integrated subsystem	+5V; 5A +l2V, -l2V	ll" x 13"	80386SX MCA system board; IBM PS/2 Model 50 form factor. l6 MHz. Up to 8 Mbyte DRAM on board. Contains a fully integrated VGA controller, floppy controller, two buffered high speed serial ports, a bi-directional parallel port and four expansion slots.
	FE70-SB1 ◆	Integrated subsystem	+5V; 7A +l2V, -l2V	ll" x 14"	80386 MCA system board equivalent to IBM PS/2 Model 70; 20 and 25 MHz. 64 Kbyte cache. Up to 8 Mbyte DRAM on board. Contains a fully integrated VGA controller, floppy controller, two buffered high speed serial ports, a bi-directional parallel port and three expansion slots.
Software	XT-BIOS	IBM compatible	+5V	24 pins	BIOS equivalent to IBM's PC XT with PS/2 Model 30, RTC support.
	AT-BIOS	IBM compatible	+5V	24 pins	BIOS equivalent to IBM's PC AT

HARDCOPY PRODUCTS (OEM)

Printer Control Devices	WD65Cl0	CMOS	+5V	68 pin PLCC	Programmable video controller for page printers with serial status; up to 40 PPM at 300 DPI.
	WD64C20	CMOS	+5V	l00 pin PLCC	PC Bus interface controller; register emulation of LPT and COM ports plus EMS memory control.
Board Product	WD6500-XG	PC adapter board	±5V, ±l2V	4.2" x 13.13"	IBM PC XT, PC AT adapter for Canon* and Ricoh* laser printer engines. HP LaserJet* Series II* emulation with six resident fonts. Programmable.
Software	WD65SDTK	Development software	N/A	Diskettes	Developer's Tool Kit enables WD6500-XG to be programmed for special applications.

ENHANCED PERIPHERAL PRODUCTS (RESELLER)

FileCard 20®	WD20ifc-l ◆	3.5" 20 Mbyte DOS 2.0 or higher	+5V, +l2V l2 W typical	L 13" x H 4.1" x W 1.6"	Complete, easy to install hard disk system on a plug-in card for IBM's PC XT, PC AT and PS/2 Model 30 and compatibles. Bonus software included: XTREE* Disk Organizer, SpeedRead to boost performance and AutoInstall for easy installation.

ENHANCED PERIPHERAL PRODUCTS (RESELLER) cont.

	Part Number	Technical Information	Power Requirements	Package Size	Product Description
FileCard 30®	WD30ifc-l ♦	3.5" 30 Mbyte DOS 2.0 or higher	+5V, +12V l2 W typical	L 13" x H 4.1" x W 1.6"	30 Mbyte FileCard with the same features as the FileCard 20.
FileCard 40®	WD40ifc-l ♦	3.5" 40 Mbyte DOS 2.0 or higher	+5V, +12V l2 W typical	L 13" x H 4."l x W 1.6"	40 Mbyte FileCard with the same features as the FileCard 20.
PS25/20i PLUS Kit	WDPS2520i ♦ PLUS	3.5" 20 Mbyte DOS 3.3 or higher, drive C operator	+5V, +12V l2 W typical	L 4.95"/H .50" x W 4.20" Drive: L 5.75" x H l.625" x W 4"	Complete hard disk kit for the IBM PS/2* Models 25 and 30. System includes: 3.5" 20 or 30 Mbyte Winchester disk, Western Digital controller board, cables, bezel, LED, mounting hardware and user installation guide.
Preference™ Hard Disk AP	WD20AP/ WD40AP	20 or 40 Mbyte external SCSI hard disks for Apple computers	ll0 to 240V AC 65 W	D 8.08" x H 3.1" x W 6.79"	High performance external SCSI hard disks in a sleek, compact design, for use with Macintosh* and Apple II computers. Features fast data transfer rates, preformatted plug and go operation, switch set terminator and a complete set of utility software.

LOCAL AREA NETWORK PRODUCTS (RESELLER)

	Part Number	Technical Information	Power Requirements	Package Size	Product Description
StarLAN Board Products	StarCard™ for Toshiba* T3l00/T5l00	StarLAN PC adapter board	+5V	4.3" x 4.6"	StarLAN adapter board for Toshiba T3l00 and T5l00 portable computers.
	StarCard PLUS™ ♦	High performance StarLAN PC adapter board	+5V	3.9" x 6"	StarLAN adapter board for IBM's PC, PC AT, PC XT and PS/2 Models 25 and 30 with high performance CMOS LAN controller and 8K buffer memory.
	StarLink PLUS™ ♦	High performance StarLAN PC adapter board with integral hub	+5V, +12V	3.9" x l0"	StarLAN adapter board with on-board 8K byte buffer, high performance CMOS LAN controller, boot ROM capability and integral two port StarLAN hub for daisy chaining.
	StarCard PLUS for Micro Channel ♦	StarLAN adapter board, Micro Channel compatible	+5V	3.5" x ll.5"	High performance StarLAN adapter board for IBM PS/2 Micro Channel compatible machines. Has l6K buffer memory and boot ROM socket.
	StarHub™ ♦	Ten-port StarLAN hub	ll5VAC, 60Hz 230VAC, 50Hz 20 W max.	D 6.6" x H 2" x W l3.8"	StarHub is the hub, or central point, in a star-type StarLAN network configuration. StarHub supports up to l0 connections.
Ethernet Board Products	EtherCard PLUS™ ♦	High performance Ethernet PC adapter board	+5V, +12V	3.9" x 5.25"	A very high performance Ethernet adapter board for connection to either Thin Ethernet or standard Ethernet networks. Has 8 Kbyte buffer and does not require any DMA channels.
	EtherCard ♦ PLUS with boot ROM socket	High performance Ethernet PC adapter board	+5V, +12V	3.9" x 6.7"	EtherCard PLUS with expanded 32K buffer memory and socket for network boot ROM up to 64 Kbytes.
	EtherCard PLUS for Micro Channel ♦	Ethernet adapter board, Micro Channel compatible	+5V, +12V	3.5" x ll.5"	Version of EtherCard PLUS for IBM PS/2 Micro Channel compatible machines. Has l6K buffer memory and boot ROM capability.
	EtherCard PLUS for Twisted Pair networks ♦	Ethernet Twisted Pair adapter board	+5V, +12V	4.2" x 13.3"	Ethernet adapter board with direct connection to LattisNet compatible Twisted Pair networks. Also includes a standard Ethernet AUI connector. Has 32K buffer memory and boot ROM socket.
	LattisNet concentrator for Ethernet Twisted Pair networks ♦	8-port Ethernet Twisted Pair concentrator	+5V, +12V	17.1" x ll.2" x l.8"	Standalone LattisNet compatible concentrator, includes 8 telephone-type jacks for Ethernet Twisted Pair connections and l BNC connector for Thin Ethernet coaxial cable connection.
	LattisNet transceiver ♦	External Ethernet Twisted Pair transceiver	+5V, +7.5V	4" x 5.5" x .9"	Provides a transparent interface to a LattisNet compatible Twisted Pair network from the AUI connector of any WD Ethernet adapter or other Ethernet device.
Software	WDVNET-306 WDVNET-UNIX* ♦	Network operating system	N/A	Floppy diskettes and full documentation	Western Digital's ViaNet® 3.06 for DOS or UNIX offers the user a powerful, easy-to-install LAN operating system which makes networking simple.
	WDLAN-TCP ♦	PC/TCP network protocol software	N/A	5 diskettes	TCP/IP protocols including FTP, Telnet and SMTP, plus Berkeley 4BSD extensions for WD StarLAN and Ethernet "PLUS" adapters. Available in single-user, 20-user and 50-user packaging. Application program interface available.
	WDLAN-TCPNB ♦	NetBIOS network protocol software for PC/TCP	N/A	l diskette	NetBIOS interface for terminate and stay resident version of above.

LOCAL AREA NETWORK PRODUCTS (RESELLER) cont.

	Part Number	Technical Information	Power Requirements	Package Size	Product Description
Software	WDLAN-WATCH ♦	LANWatch network analysis software	N/A	2 diskettes	Network analyzer software utilizing WD StarLAN or Ethernet "PLUS" adapters.
	NetWare Boot ROM	N/A	N/A	28 pin DIP	Boot ROM for downloading DOS over Advanced NetWare networks from server to workstations.
	WDNET-ELS ™ ♦	Network operating system	N/A	Floppy diskettes and full documentation	Western Digital's versions of Novell's Advanced NetWare/286 Entry Level Solution for four users. File server is non-dedicated.
	WDNET/286™ ♦ WDNET-SFT ♦	Network operating system	N/A	Floppy diskettes and full documentation	Western Digital's versions of Novell's Advanced NetWare/286. Supporting l00 users, the network file server software provides ease-of-use, flexibility, compatibility and performance.

PARADISE PRODUCTS (RESELLER)

	Part Number	Technical Information	Power Requirements	Package Size	Product Description
Video Boards	VGA Professional Card ♦	Video board	+5V	5" x 8 7/8"	100% IBM VGA hardware compatible video card Provides 800 x 600 in l6 colors; 640 x 480 in 256 colors and l32 column text. 3/4 length form factor, l6 bit bus and BIOS with AutoSense and Microsoft Windows Driver. IBM PC, AT, XT and PS/2* Model 25 and 30 compatibility.
	VGA Plus l6 Card ♦	Video board	+5V	5" x 8 7/8"	100% IBM VGA hardware compatible video card. Displays 800 x 600 in l6 colors, 640 x 400 with 256 colors and l32 column text. Features l6 bit bus, BIOS with AutoSense and Microsoft Windows driver. Works with IBM's PC, PC AT, PC XT and PS/2 Model 25, 30 and compatibles.
	VGA Plus Card ♦	Video board	+5V	5" x 5 7/8"	100% IBM VGA hardware compatible video card. Displays 800 x 600 in l6 colors, l32 column text and is fully downward compatible. Half card. Comes with l6 color fast Microsoft Windows driver. Works with IBM's PC, PC AT, PC XT and PS/2 Models 25, 30 and compatibles.
	Autoswitch EGA 480 Card	Video board	+5V	5" x 5 7/8"	Advanced EGA video controller card with automatic mode selection, auto-monitor detection, l32 column text mode and bundled software drivers. Fully compatible with EGA, EGA plus 640 x 480 line resolution, CGA, Plantronics COLORPLUS, Hercules graphics and MDA.
	Autoswitch EGA 350 Card	Video board	+5V	5" x 5 7/8"	Advanced EGA video controller card with automatic mode selection and auto-monitor detection. Fully compatible with EGA, CGA, Plantronics COLORPLUS, Hercules graphics and MDA.
	Autoswitch Monochrome EGA Card	Video board	+5V	5" x 5 7/8"	Monochrome EGA video card designed for TTL monochrome displays. Runs EGA and CGA in shades of gray, green or amber on monochrome displays. 100% Hercules and MDA compatibility, l32 column text mode and bundled software drivers. Half card with printer port.
	Basic EGA Card	Video board	+5V	5" x 5 7/8"	100% IBM EGA, CGA, Plantronics, Hercules and MDA compatibility. Half card.
	Basic Video Card	Video board	+5V	5" x 5 7/8"	100% IBM, CGA, Plantronics, MDA, Hercules graphics compatible video controller card with parallel port. Half card.
	2Page	Video board	+5V	N/A	High performance graphics card. Monochrome, l280 x 960, AT bus, full size CGA emulation, displays two pages at one time.

VERTICOM PRODUCTS (RESELLER)

	Part Number	Technical Information	Power Requirements	Package Size	Product Description
Video Boards	HXl6/AT	Video board	+5V	N/A	High performance graphics card. l024 x 768, l6 color, AT bus, full size. VGA pass-through, IBM 85l4 AI compatible.
	HXl6/MC	Video board	+5V	N/A	High performance graphics card. l024 x 768, l6 color, IBM PS/2 Micro Channel bus, VGA pass-through, IBM 85l4 AI compatible.
	HX256/AT	Video board	+5V	N/A	High performance graphics card. l024 x 768, 256 color, AT bus, full size. VGA pass-through, IBM 85l4 AI compatible.
	HX256/MC	Video board	+5V	N/A	High performance graphics card. l024 x 768, 256 color, IBM PS/2 Micro Channel bus, VGA pass-through, IBM 85l4 AI compatible.
	HX-256C	Upgrade module	+5V	N/A	Color upgrade kit for HXl6/AT or HXl6/MC. l6 to 256 colors.

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