

Autumn 1997 Networking Catalog Price List

Please note: Prices are correct as of September 19, 1997. This supplement correlates directly to the Autumn 1997 Networking Catalog and is a partial listing of all NHD products.

PAGE	DESCRIPTION	FEATURE/ MODEL	PART NO.	PRICE <small>(U.S. dollars)</small>	NOTES
10	ETHERNET ADAPTERS				
	EtherJet ISA Adapter (1 pk)		04H6550	\$90	
	EtherJet ISA Adapter (5 pk)		25H3647	\$415	
	EtherJet ISA Adapter (30 pk)		13H9256	\$2,280	
	EtherJet ISA 10BASE-T (1 pk)		73G9379	\$73	
	EtherJet ISA 10BASE-T (5 pk)		13H8438	\$330	
	EtherJet ISA 10BASE-T (30 pk)		93G7802	\$1,770	
	EtherJet ISA 10BASE-T with Wake on LAN (1 pk)		72H2613	\$89	
	PCI Ethernet Adapter 10Mbps (1 pk)		13H9237	\$94	
	PCI Ethernet Adapter 10Mbps (5 pk)		25H3516	\$435	
	PCI Ethernet Adapter 10Mbps (30 pk)		13H9251	\$2,400	
	100/10 PCI EtherJet (1 pk)		86H2432	\$109	
	100/10 PCI EtherJet (20 pk)		01L1470	\$2,100	
	100/10 PCI EtherJet (100 pk)		01L1471	\$9,900	
	100/10 PCI EtherJet Adapter with Wake on LAN (1 pk)		85H9921	\$135	
	100/10 PCI EtherJet Adapter with Wake on LAN (20 pk)		85H9930	\$2,600	
	100/10 PCI EtherJet Adapter with Wake on LAN (100 pk)		86H2848	\$12,500	
	EtherJet PC Card 10BASE-T (1 pk)		72H4533	\$159	
	EtherJet PC Card 10BASE-T (5 pk)		72H4550	\$770	
	EtherJet PC Card - Combo (1 pk)		72H4534	\$205	
	EtherJet PC Card - Combo (5 pk)		72H4551	\$995	
	Single 10BASE-T			withdrawn	
	Single 10BASE-T/2 Combo			withdrawn	
	LAN Adapter/A for Ethernet			withdrawn	
	EtherStreamer MC 32			withdrawn	
	EISA Ethernet			withdrawn	
13	TOKEN-RING ADAPTERS				
	Auto 16/4 Token-Ring ISA Adapter (1 pk)		92G7632	\$265	
	Auto 16/4 Token-Ring ISA Adapter (5 pk)		92G7665	\$1,285	\$257 each
	Auto 16/4 Token-Ring ISA Adapter (30 pk)		92G7658	\$7,710	\$257 each
	Turbo 16/4 Token-Ring ISA Adapter (1 pk)		72H3482	\$265	
	Turbo 16/4 Token-Ring ISA Adapter (card pk)		72H3514	\$257	
	Turbo 16/4 Token-Ring ISA Adapter (bulk pack, min. 36)		72H3495	\$257	
	Auto Wake Token-Ring ISA Adapter (1 pk)		55H6760	\$305	
	Auto Wake Token-Ring ISA Adapter (card pk)		55H6815	\$300	
	Auto Wake Token-Ring ISA Adapter (bulk pack, min. 36)		55H6807	\$300	
	PCI Token-Ring Adapter (1 pk - CD-ROM)		75H9800	\$315	
	PCI Token-Ring Adapter (1 pk - diskettes)		41H8900	\$315	
	PCI Token-Ring Adapter (card pk)		85H3410	\$310	
	PCI Token-Ring Adapter (bulk pack, min. 36 - CD-ROM)		85H3409	\$310	
	PCI Token-Ring Adapter Wake on LAN (1 pk - CD-ROM)		86H1880	\$365	
	PCI Token-Ring Adapter Wake on LAN (card pk)		86H1886	\$360	
	PCI Token-Ring Adapter Wake on LAN (bulk pack, min. 36)		86H1887	\$360	
	Token-Ring Auto 16/4 Credit Card Adapter (1 pk)		04H6922	\$370	
	Token-Ring Auto 16/4 Credit Card Adapter (5 pk)		92G9349	\$1,759	\$359 each
	Token-Ring Auto 16/4 Credit Card Adapter (30 pk)		13H7359	\$10,770	\$359 each
	Turbo Token-Ring PC Card - RJ-45 + D Shell (1 pk)		85H3628	\$345	

13	TOKEN-RING ADAPTERS (cont.)				
	Turbo Token-Ring PC Card - RJ-45 + D Shell (5 pk)		85H3650	\$1,700	
	Turbo Token-Ring PC Card - RJ-45 only (1 pk)		85H3629	\$320	
	Turbo Token-Ring PC Card - RJ-45 only (5 pk)		85H3652	\$1,575	
	Auto LANStreamer MC 32 Adapter (1 pk)		60G1592	\$435	
	Auto LANStreamer MC 32 Adapter (5 pk)		04H6181	\$2,110	\$422 each
	Auto LANStreamer MC 32 Adapter (30 pk)		73G4216	\$12,660	\$422 each
	Triple LANStreamer PCI			withdrawn	
	Auto 16/4 Token-Ring MC			withdrawn	
15	TURBOWAYS 25 AND 155 ATM ADAPTERS				
	TURBOWAYS 25 ATM ISA Adapter (1-pack)	0287	42H0525	\$295	
	TURBOWAYS 25 ATM ISA Adapter (5 pack)	0288	42H0526	\$1,430	\$286 each
	TURBOWAYS 25 MC (1-pack)	4746	85H9035	\$295	
	TURBOWAYS 25 MC (5 pack)	4748	85H9036	\$1,430	
	TURBOWAYS 25 PCI (1-pack)	2844	85H9037	\$295	
	TURBOWAYS 25 PCI (5 pack)	2845	25H3563	\$1,430	\$286 each
	TURBOWAYS 25 PCI (30-pack)	1797	42H0554	\$8,580	\$286 each
	TURBOWAYS 100 MC MMF (1-pack)	4757	04H7521	\$1,995	
	TURBOWAYS 100 MC MMF (5-pack)	4758	04H7522	\$8,975	
	TURBOWAYS 155 MC MMF (1-pack)	4754	38H6388	\$1,995	
	TURBOWAYS 155 MC UTP (1-pack)	1775	55H9366	\$1,995	
	TURBOWAYS 155 ATM MC Adapter (PS/2)			withdrawn	
	TURBOWAYS 155 MC Adapter (RS/6000)			withdrawn	
	Interphase 155 ATM UTP	2383	85H4041	\$650	
	Interphase 155 ATM PCI	2384	85H4042	\$850	
	Interphase 155 ATM UTP	2385	85H4043	\$995	
	Interphase 155 ATM EISA	2388	85H4046	\$1,095	
	Interphase 155 ATM GIO	2386	85H4044	\$1,050	
	Interphase 155 ATM MMF	2387	85H4045	\$895	
16	WAVERUNNER DIGITAL MODEMS				
	Waverunner Digital Modem - ISA (1-pack)		73G1393	\$395	
	Waverunner Digital Modem - ISA (5-pack)		13H5366	\$1,915	\$383 each
	Waverunner Digital Modem - ISA (30-pack)		13H5367	\$11,495	\$383 each
	Waverunner Digital Modem - PCMCIA (1-pack)		04H7686	\$495	
	Waverunner Digital Modem - PCMCIA (5-pack)		04H7757	\$2,400	\$480 each
	Waverunner Digital Modem - PCMCIA (30-pack)		04H7758	\$14,405	\$480 each
17	WAVERUNNER ADAPTER COMBINATION PACK				
	7845 and WaveRunner ISA Adapter Combination Pack		13H5365	\$495	
	7845 and WaveRunner PCMCIA Adapter Combination Pack		85H8058	\$595	
19	MODEM ADAPTER CARDS				
	International External V.34 Data/Fax Modem		7852400	\$525	
	56K Modem Internet Kit		42H4321	\$149	
	ISA 33.6 Kbps Host Processor Controlled Data/Fax Modem		42H4334	\$105	
	ISA 33.5 Kbps Plug 'N' Play Data/Fax Modem		42H4322	\$109	
	PCMCIA 33.6/14.4 Data/Fax Modem		25H6420	withdrawn	
	PCMCIA 33.6 Kbps Host Processor Controlled Data/Fax Modem		42H4335	\$175	
	PCMCIA 33.6 Kbps Data/Fax/Voice Modem with XJACK		55H6759	\$219	
21	STANDALONE MODEMS				
	External V.34 Data/Fax Modem (7852 Model 400)			call	
	786X Leased-line Modems with LPDA-2			call	
	2-port 4.8 Kbps 7861-24			call	
	4-port 19.2 Kbps 7861-047			call	
	2-port 4.8 KBPS 7868-024			call	
	4-port 19.2 Kbps 7868-047			call	
22	WIRELESS LAN PRODUCTS				
	2480 Wireless LAN Access Points:				
	2480-E00 Ethernet LAN Access Point	E00	92G5170	\$2,400	
	2480-RS0 RS-485 LAN Access Point	RS0	92G5180	\$2,400	
	2480-TB0 Token-Ring LAN Access Point	TBO	05J2969	\$3,900	

22	WIRELESS LAN PRODUCTS (cont.)				
	2480 Wireless Adapters:				
	2480 Wireless ISA Adapter	5254	92G5254	\$1,050	
	2480 Wireless Micro Channel Adapter	5256	92G5256	\$1,250	
	2480 Wireless PCMCIA Adapter	5250	82H4552	\$995	
23	WIRELESS DATA COLLECTION DEVICES FOR AS/400				
	2482 Portable Transaction Computer:				
	2482-520 Portable Transaction Computer	520	03H9780	\$3,400	
23	WIRELESS DATA COLLECTION DEVICES FOR AS/400				
	Scanning option for the 2482:				
	Standard Range Laser Scanner (up to 1 m)	5223	03H9796	\$1,100	
	Long Range Laser Scanner (up to 1.9 m)	5490	03H9797	\$1,100	
	Extra Long Range Laser Scanner (up to 10.6 m)	5492	03H9798	\$1,550	
	Pencil Wand	9799	03H9799	\$75	
	2484 Industrial Portable Transaction Computer:				
	2484-520 Industrial PTC for vehicles with 10-16 VDC batteries	520	03H9784	\$6,700	
	2484-540 Industrial PTC for vehicles with 25-27 batteries	540	03H9785	\$6,700	
	Standard Long Range Laser (up to 1 m)	5513	04H0015	\$1,550	
	Long Range Laser Scanner (up to 1.9 m)	5490	04H0016	\$1,800	
	Extra Long Range Laser Scanner (up to 10.6 m)	5492	04H0017	\$1,900	
	2483 Integrated Laser Portable Transaction Computer:				
	2483-5S0 Standard Range (up to 1 m)	5S0	03H9781	\$4,300	
	2483-5L0 Long Range Laser Scanner (up to 1.9 m)	5L0	03H9782	\$4,500	
	2483-5X0 Extra Long Range Laser Scanner (up to 10.6 m)	5X0	03H9783	\$4,750	
24	WORKGROUP HUBS				
	8222 Nways Ethernet Workgroup Hub (Unmanaged):				
	8-port Ethernet Workgroup Hub Model 008	008	13H8440	\$299	
	16-port Ethernet Workgroup Hub Model 016	016	13H8445	\$524	
	EtherJet Networking Kit Model 308	308	85H8002	\$399	
	8223 Fast Ethernet Workgroup Hub:				
	8223 Fast Ethernet Workgroup Hub 100BASE-2 Model 008	008	42H4545	\$1,047	
	8224 Ethernet Stackable Hub (Unmanaged):				
	8224 Ethernet Stackable Hub - Unmanaged Model 001	001	73G9750	\$895	
	8224 Ethernet Stackable Hub - Unmanaged Model 002 (SNMP management)	002	73G9760	\$1,395	
	8225 Fast Ethernet Stackable Hub:				
	8225 100BASE-TX Manageable Unit Model 001	001	42H3727	\$2,895	
	8225 100BASE-TX Manageable Model 002 (SNMP management)	002	42H3739	\$3,995	
	8225 100BASE-TX Manageable Model 003 (SNMP + RMON management)	003	42H4722	4495	
	10BASE-T/100BASE-TX Expansion Module	3744	42H3744	\$700	
	100BASE-FX Expansion Module	3748	42H3748	\$1,000	
	100BASE-T4 Expansion Module	3749	42H3749	withdrawn	
	Management Upgrade to 002	4530	42H4530	\$1,150	
	Management Upgrade to 003	4534	42H4534	\$1,650	
	Redundant Power Module	3751	42H3751	\$255	
	Hub Interconnect Cable Assembly	3754	42H3754	\$95	
25	8237 Ethernet Stackable Hub:				
	8237 Ethernet Stackable Hub - Manageable Model 001	001	85H8840	\$849	
	8237 Ethernet Stackable Hub - Manageable Model 002 (SNMP management)	002	85H8850	\$1,299	
	8237 Ethernet Stackable Hub - Manageable Model 003 (SNMP + RMON management)	003	85H8860	\$2,199	
	AUI/10BASE-2 (BNC) Media Expansion Port	8264	85H8864	\$125	
	10BASE-FL/FOIRL Media Expansion Port	8866	85H8866	\$295	
	10BASE-T/100BASE-TX Expansion Module	8854	85H8856	\$725	
	10BASE-T/100BASE-FX Expansion Module	8856	85H8857	\$895	
	Advanced Management RMON Model 003	8869	85H8969	\$900	

24	WORKGROUP HUBS (cont.)				
	8276 Nways Ethernet RoutePort:				
	8276 Nways Ethernet RoutePort Model 360	360	86H1225	\$1,800	
	8276 Nways Ethernet RoutePort Model 361	361	86H1226	\$2,025	
	8276 Nways Ethernet RoutePort Model 362	362	86H1227	\$2,250	
	8276 Nways Ethernet RoutePort Model 363	363	86H1228	\$2,525	
	8276 Nways Ethernet RoutePort Model 364	364	86H1229	\$3,250	
	8276 Nways Ethernet RoutePort Model 365	365	86H1230	\$2,750	
26	8226 Token-Ring RJ-45 8-Port Hub:				
	8226 Token-Ring RJ-45 8-port Hub Model 001	001	13H7309	\$545	
26	8228 Multistation Access Unit:				
	8228 Multistation Access Unit	001	6091014	\$545	
	MSAU Housing			withdrawn	
27	8238 Token-Ring Stackable Hub:				
	8238 Passive Base - Bronze Model PB1	PB1	38H6220	\$3,565	
	8238 Passive Base - Silver Model PS1	PS1	38H6225	\$4,195	
	8238 Passive Base - Gold Model PG1	PG1	38H6226	\$4,825	
	8238 Active Base - Bronze Model AB1	AB1	38H6210	\$4,405	
	8238 Active Base - Silver Model AS1	AS1	38H6215	\$5,035	
	8238 Active Base - Gold Model AG1	AG1	38H6216	\$5,665	
	8238 Passive Expansion	6240	38H6240	\$1,885	
	8238 Active Expansion	6230	38H6230	\$2,725	
	Fiber RI/RO Module	6201	38H6201	\$1,675	
	Copper RI/RO Module	6202	38H6202	\$1,045	
	4-MB Memory Expansion	6208	38H6208	\$520	
	8-MB Memory Expansion	6209	38H6209	\$1,045	
	Code Download Kit	6200	38H6200	\$195	
	Bronze to Silver Upgrade	6204	38H6204	\$756	
	Bronze to Gold Upgrade	6205	38H6205	\$1,512	
	Silver to Gold Upgrade	6206	38H6206	\$756	
	8230 Intelligent Token-Ring Hub (CAU):				
	Model 003 Base Model (CMOL/SNMO, without DRR)	003	59G7719	\$2,630	
	Model 013 Base Model (CMOL/SNMP, DRR enabled)	013	59G7727	\$3,340	
	Model 213 Base Model (CMOL/SNMP, enhanced power)	213	25H6259	\$3,500	
	Model 04A Active Model (16 ports)	04A	25H5412	\$2,995	
	Model 04P Passive Model (16 ports)	04P	25H5440	\$2,695	
	8230 Models 3, 13, and 213 only:				
	LAM 20-port ICS Passive	5501	53F5501	\$1,830	
	LAM 20-port UTP/FTP RJ-45 Shielded Passive	6738	13H6738	\$1,830	
	LIU 2-port ICS Passive LIU	2011	73G2011	\$240	
	LIU 4-port UTP/FTP RJ-45 Passive LIU	2009	73G2009	\$300	
	LIU 3-port UTP/FTP RJ-45 Active LIU	2008	73G2008	\$335	
	LIU for Remote LAM (RLAM) Connection	8230	04H8230	\$695	
	RLAM 16-port UTP/FTP RJ-45 Passive	8710	73G8710	\$1,595	
	RLAM 16-port UTP/FTP RJ-45 Active	8225	04H8225	\$1,995	
	Dual Ring Redundancy Upgrade (model 3 to 13 equiv.)	2029	73G2029	\$755	
	8230 Models 13 and 213 only:				
	LIU ICS RI/RO	7737	59G7737	\$140	
	LIU STP RJ-45 RI/RO	2007	73G2007	\$125	
	LIU ICS/Optical Fiber RI/RO	7751	59G7751	\$735	
	LIU Optical Fiber/ICS RI/RO	7754	59G7754	\$735	
	LIU Optical Fiber RI/RO	2010	73G2010	\$735	
	8230 Model 4 only:				
	RJ-45 RI/RO	5450	25H5450	\$295	
	Fiber/ICS RI/RO	5458	25H5458	\$735	
	8230 Model 213 only:				
	Shielded Active LAM 20-Port UTP/FTP RJ-45	6748	13H6748	\$3,050	
28	FAST ETHERNET/ETHERNET WORKGROUP SWITCHES				
	8271 Nways Ethernet LAN Switch Model 108	108	13H9150	\$4,000	
	8271 Nways Ethernet LAN Switch Model 216	216	55H7131	\$7,200	
	100BASE-TX UFX	6995	41H6995	\$1,300	
	100BASE-FX UFC	7000	41H7000	\$1,695	
	4-port 10BASE-T UFC	9195	13H9195	\$800	
	3-port 10 BASE-T UFC	7020	41H7020	\$1,350	

28	FAST ETHERNET/ETHERNET WORKGROUP SWITCHES (cont.)				
	155-Mbps ATM/Ethernet UFC	6988	41H6988	\$4,000	
	FDDI SAS UTP UFC	8480	85H8480	\$4,495	
	FDDI SAS MMF UFC	8475	85H8475	\$4,495	
	FDDI DAS MMF UFC	8470	85H8470	\$5,995	
	RMON Ethernet UFC	7200		call	
	Features:				
	ATM 155 MMF/Token-Ring enhanced UFC	2762	86H2762	\$4,000	
	MSS Client SMF UFC	5206	85H4599	\$7,995	
	MSS Client MMF UFC	5205	85H4596	\$7,995	
	MSS Domain Client	5207	85H9303	\$6,995	
29	8273 NWAYS ETHERNET ROUTESWITCH				
	8273 Nways Ethernet RouteSwitch Model 100	100		\$4,950	
	8273 Nways Ethernet RouteSwitch Model 10E	10E		\$4,950	
	8273 Nways Ethernet RouteSwitch Model 10U	10U		\$4,950	
	8273 Nways RouteSwitch Software Program			no charge	
	Expansion Slot Features:				
	1-port FDDI MMF MIC	7131		\$3,000	
	4-port CDDI RJ-45	7129		\$3,000	
	ATM 155-Mbps OC-3 SONET (SDH) MMF SC 500 K	7128		\$3,000	
	ATM 155-Mbps OC-3 SONET (SDH) MMF SC 2MB	7127		\$4,450	
	ATM 155-Mbps OC-3 SONET (SDH) SMF SC 500 K	7126		\$6,000	
	ATM 155-Mbps OC-3 SONET (SDH) SMF SC 2MB	7125		\$7,450	
	ATM DS3-1 BNC	7124		\$4,000	
	4-port 100BASE-T RJ-45	7123		\$1,750	
	Sub-Modules:				
	100 BASE-TX UTP	7120		\$500	
	100 BASE-FX MMF	7121		\$950	
	100 BASE-FX SMF	7122		\$2,950	
	100 BASE-T UTP	7123		\$1,750	
	1-port FDDI SMF MIC	7130		\$6,000	
	2-port WAN Frame Relay	0596		\$1,750	
	4-port WAN Frame Relay	0597		\$3,000	
	Universal Ethernet Adapters (MI0U):				
	AUI/10BASE-T(2-slots)	7119		\$450	
	10BASE-FL MMF ST	7118		\$450	
	10BASE-FL SMF ST	7117		\$1,450	
	10BASE-2	7115		\$250	
	10BASE-T RJ-45	7116		\$250	
	10BASE-T Adapter Board	7114		\$450	
29	8273 NWAYS ROUTESWITCH SOFTWARE PROGRAM				
	8273 Nways RouteSwitch Software Program		5697-B69	\$3,400	
29	NWAYS ROUTESWITCH NETWORK MANAGER				
	Nways RouteSwitch Network Manager		5697-B67	\$1,595	
31	NWAYS ROUTETRACKER MANAGER				
	Nways RouteTracker Manager		5697-B68	\$1,595	
31	8270 NWAYS LAN SWITCH MODEL 800	N/A	85H6584	\$1,250	Chassis
	8270-800 Token-Ring System Card	4650	72H4650	\$3,750	
	8270-800 Red Power Supply	4648	72H4648	\$800	
	4-port Token-Ring UTP/STP Enhanced UFC	5092	85H5092	\$1,600	
	2-port Token-Ring Fiber Enhanced UFC	5087	85H5087	\$1,600	
	RMON Token-Ring UFC	5060	85H5060	withdrawn	
	Enhancements:				
	ATM 155 MMF/Token-Ring II UFC	2762	86H2762	\$4,000	
	MSS Client SMF UFC	5206	85H4599	\$7,995	
	MSS Client MMF UFC	5205	85H4596	\$6,995	
	MSS Domain Client	5207	85H9303	\$5,845	

31	8272 NWAYS TOKEN-RING LAN SWITCH				
	8272 Nways Token-Ring LAN Switch Model 108	108	13H9170	\$5,600	
	8272 Nways LAN Switch Model 216	216	55H7160	\$9,995	
	4-port Token-Ring UTP/STP UFC	9196	13H9196	\$1,600	
	2-port Token-Ring Fiber UFC	6985	41H6985	\$1,600	
	ATM 155 Mbps MMF/Token-Ring enhanced UFC	2762	85H5076	\$4,000	
	RMON Token-Ring UFC (Model 216)	5060	85H5060	withdrawn	
	Enhancements:				
	ATM 155 MMF/Token-Ring II UFC	2762	86H2762	\$4,000	
	MSS Client MMF UFC (Model 216 only)	5205	85H4596	\$6,995	
	MSS Domain Client	5207	85H9303	\$5,845	
31	8285 NWAYS ATM WORKGROUP SWITCH				
	8285 Model 00B Base Unit	00B	47H2287	\$4,995	
	8285 Model 00P Base Unit	00P	51H4201	\$5,940	
	8285 155 MMF I/O Card	5500	47H2290	\$995	
	8285 155 SMF I/O Card	5501	51H3860	\$1,995	
	Universal code download kit	3150	80G3150	\$160	
	8285 Expansion Unit	5502	47H2421	\$2,495	
	12-port ATM 25 UTP conc. Module	5012	51H3828	\$4,195	
	Module	8510	10J2184	\$1,700	
	4-port ATM 100 MIC fiber Module	5004	58G5845	\$8,000	
	4-port ATM 100 SC fiber Module	5104	80G3310	\$8,000	
	2-port ATM 155 Flexible Module	5002	58G9663	\$3,995	
	1-port ATM 155 MMF I/O Card	8800	58G9667	\$600	
	1-port ATM 155 SMF I/O Card	8801	58G9855	\$3,600	
	1-port ATM 155 UTP/STP I/O Card	8802	58G9856	\$320	
	Utopia 1 ATM Carrier 1-slot	5102	58G9860	\$3,250	
	Utopia 1 ATM Carrier 2-slot	5202	47H2402	\$3,250	
	3-port 155 Mbps LAN Concentration Module	5003	51H4474	\$4,995	
	8272 ATM/LAN switch module (2-slot)	5208		call	
	ATM WAN Module	5302	51H4328	\$4,495	
	ATM WAN 2 Module	5602	10J2091	\$6,200	
	4-port E1/T1/J1 I/O Cards	8507	10J2317	\$8,850	
	ATM Control Point Version 3 with PNNI-1	5509	10J2458	\$995	
	8285 Packages:				
	8285 Expansion unit:	5502	47H2421	\$5,940	
	8285+12 Adapters PCI	5503	51H4195	\$0	
	8285+12 Adapters ISA	5504	51H4196	\$0	
	Exp.+12-port ATM25+12 Adpt PCI	5505	51H4197	\$5,940	
	Exp.+12-port ATM25+12 Adpt ISA	5506	51H4198	\$5,940	
	12-port ATM25+12 Adpt PCI	5507	51H4199	\$5,940	
	12-port ATM25+12 Adpt ISA	5508	51H4200	\$5,940	
	Other Feature Modules:				
	VDM (Video Distribution Module)	5008	13J8760	\$20,000	
32	8210 NWAYS MULTIPROTOCOL SWITCHED SERVICES SERVER				
	8210 Nways MSS Server Model 001	001		\$9,500	
	1-port 155 Mbps MMF ATM Adapter	3001		\$2,600	
	1-port 155 Mbps SMF ATM Adapter	3002		\$5,500	
	Service Kit	2505		\$15	
	Dual Ring FDDI Fiber Adapter	4001		\$2,895	
	MSS Microcode V2	8707		\$6,000	
	MSS Microcode V1 to V2 upgrade	8709		\$4,000	
	Memory upgrade to 64MB	5301		\$950	
	Features:				
	MSS Microcode V2	8707	02L1987	\$10,000	
	MSS Microcode upgrade V1 to V2	8709	02L1989	\$4,000	
	Memory upgrade to 64MB	5301	02L1991	\$950	
	MSS Flash Card	8711/002	02L1993	\$800	

33	8250 MULTIPROTOCOL INTELLIGENT HUB				
	8250 Hub Chassis:				
	8250 6-slot Hidden Hub Controller	6HC	43G3970	\$2,410	
	8250-6HC with 3174 Module	06W		withdrawn	
	8250 17-slot Hub Chassis	017	43G3893	\$4,465	
	8250-017 with 3174 Module	17W		withdrawn	10/24/97
	Ethernet Modules:				
	8-port, 10BASE-T, RJ-45, UTP-STP	3800	43H3800	\$1,680	
	12-port, 10BASE-T, Telco, UTP	3801	43G3801	\$1,675	
	12-port Switch, 10BASE-T, Telco, UTP	3802	43G3802	\$2,095	
	24-port, 10BASE-T, Telco	3829	43G3829	\$3,145	
	24-port, 10BASE-T, RJ-45 Module	3248	80G3248	\$3,145	
	2-port, 10BASE-FB, PPS, ST-connector	6773	58G6773	\$1,360	
	4-port, 10BASE-FB PPS, ST-connector	6774	58G6774	\$2,515	
	4-port, 10BASE-FB, PMS, ST-connector	6775	58G6775	\$1,890	
	BNC, 6-port, BNC Connector	3817	43G3817	\$2,095	
	4-port, 10BASE-FL, ST-connector	5895	58G5895	withdrawn	
	Transceiver, 3-port, AUI Male Connector	3803	43G3803	\$1,575	
	Repeater, 2-port, AUI Female Connector	3804	43G3804	\$1,575	
	TCP/IP /LAT Terminal Server, 16-port	3896	43G3896	\$4,515	
	10BASE-T, 12-port Security Module	7385	58G7385	\$2,095	
	Ethernet RMON Probe Module	5894	58G5894	\$7,905	
	Ethernet Bridge, 2-port	3828	43G3828	\$4,465	
	Ethernet 6-port Switch Module	6767	58G6767	\$6,095	
	Ethernet 6-port Router Module	6769	58G6769	\$10,845	
	EMM Starter Level 4.2	4010	80G4010	withdrawn	
	Basic Ethernet Management Module (EMM)	3819	43G3918	\$3,355	
	Advanced Ethernet Management Module (EMM)	3788	43G3919	\$4,195	
	Terminal Server TCP/LAT/TN3270	3932	43G3932	\$5,415	
	Ethernet Transceivers (Standalone Boxes):				
	10BASE-T Transceiver RJ-45	3861	43G3861	\$112	
	10BASE-T Fault-Tolerant Transceiver	3959	43G3959	\$560	
	4-port, 10BASE-FL, ST-connector	5895	58G5895	withdrawn	
	TCP/IP LAT Terminal Server, 16-port	3895		withdrawn	
	Advanced Ethernet Management Module (EMM)	3788	43G3919	\$4,195	
	Token-Ring Modules:				
	Two-pair, 20-port, RJ-45 Connector	3821	43G3821	\$2,260	
	18-port Token-Ring Active Media Module, RJ-45	7400	58G7400	\$3,565	
	Fiber Repeater RI/RO, ST + RJ-45 Connector	3822	43G3822	\$2,940	
	Token-Ring Copper Repeater RI/RO + 4-ports	7386	58G7386	\$2,395	
	8229 Token-Ring/Token-Ring SRB Module	3182	80G3182	\$5,900	
	8229 Token-Ring/Token-Ring SR/SRTB Module	3179	80G3179	\$6,500	
	8229 Token-Ring/Ethernet SRTB Module	3142	80G3142	\$5,920	
	Basic Token-Ring Management Module	3823	43G3949	\$4,195	
	Advanced Token-Ring Management Module	3884	43G3884	\$5,980	
	TRMM Update Basic 4.0 without 2M SIMM	3929	43G3929	withdrawn	
	FDDI Modules:				
	Fiber, 8-port, ST Connector	3825	43G3825	\$10,495	
	FDDI 8-port MIC	7388	58G7388	\$11,545	
	FDDI (MMF) Version 2 Management	3827	43G3827	\$8,395	
	FMM (SMF) Version 2 Management	6717	58G6717	\$14,965	
	FMM Update Kit (single module) to Version 2	3933	43G3933	withdrawn	
	Product Integrations:				
	Workstation Networking Module	3174	73G6030	\$10,500	
	Frame Relay Option for WNM	7020	04H6112	withdrawn	
	Ethernet 8235 Module, Dial-in LAN	3160	80G3160	\$4,760	
	Token-Ring 8235 Module, Dial-in LAN	3155	80G3155	\$5,890	
	Power and Management:				
	6-slot Backup Power Supply	3923	43G3923	withdrawn	
	17-slot Backup Power Supply	3925	43G3925	\$1,255	
	FT Controller Module	3791	43G3791	\$1,885	
	Universal Code Download Kit	3150	80G3150	\$160	

34	8260 NWAYS MULTIPROTOCOL SWITCHING HUB			
	10-slot Hub Chassis	010	58G5880	\$2,980
	17-slot Hub Chassis	017	58G5801	\$4,240
	8260 Nways Switching Hub Model P07 7-slot Hub Chassis	P07	29H4378	\$3,700
	Chassis:			
	Redundant Controller	8000	58G5800	\$2,095
	Power Supply 295-watt AC	8001	58G5852	withdrawn
	Power Supply - 48 DC	8026	80G3297	\$1,650
	Power Supply 415-watt AC	8027	80G3344	\$1,295
	Rack-Mount Kit for 8260-017	8015	58G5850	\$255
	8250 Adapter Kit 4-slot	8011	58G5862	\$385
	8250 Adapter Kit 9-slot	8016	58G5863	\$515
	8250 Adapter Kit 16-slot	8017	58G5864	\$645
	Ethernet Module:			
	20-port, 10BASE-T PPS RJ-45 Module	1020	58G5818	\$4,400
	24-port, 10BASE-T, PPS (6/8), Telco	1024	58G5815	\$5,350
	36-port, 10BASE-T, Telco bank-switching	1036	58G5884	\$4,090
	40-port, 10BASE-T PPS RJ-45 Module	1040	58G5848	\$7,350
	50-port, connector for #1036	8033	80G3405	\$150
	10-port, 10BASE-FB, PPS (8/8), ST	1110	58G5822	\$5,560
	10-port, 10 BASE-FB, PPS (8/8) FC	1210	58G5823	\$5,560
	10-port, 10BASE-FB, PPS (8/8), SMA	1310	58G5824	\$5,560
	Ethernet Security Card	8915	58G5844	\$2,095
	Ethernet MAC Daughter Card	8918	58G5830	\$1,945
	High End Ethernet MAC Card (HEMAC)	8924	80G3385	\$2,940
	Memory Expansion (4-MB RAM) for HEMAC	8934	29H4334	\$520
	Memory Expansion (8-MB RAM) for HEMAC	8938	29H4338	\$1,045
	Ethernet Flexible Concentration Modules:			
	Modular Mother Board	1004	58G5875	\$1,570
	2-port FB/FL I/O Card ST	8916	58G5876	\$835
	2-port FB/FL I/O Card FC	8922	58G5873	\$835
	2-port FB/FL I/O Card SMA	8923	58G5874	\$835
	4-port RJ-45 I/O Card	8917	58G5886	\$680
	3-port BNC I/O Card	8921	58G5879	\$1,045
	3-port AUI Male I/O	8920	58G5878	\$940
	3-port AUI Female I/O	8919	58G5877	\$940
	Interconnect Modules (Bridges & Routers):			
	Ethernet Network Interconnect Module (1-slot)	7106	58G5811	\$11,295
	Ethernet Network Interconnect Module (2-slot)	7206	58G5810	\$12,200
	Ethernet 10BASE-T I/O Card	8902	58G5832	\$1,465
	Ethernet 10BASE-2 I/O Card	8903	58G5833	\$1,465
	Ethernet 10BASE-5 I/O Card	8904	58G3834	\$1,465
	Token-Ring I/O Card	8905	58G3835	\$3,400
	LAN Access Modules:			
	Distributed Management Modules (DMM 3.0)	1000	58G5812	withdrawn
	DMM with Ethernet Carrier (EC-DMM 3.0)	1100	58G5813	withdrawn
	Advanced DMM/Controller Module	1700	80G3375	\$6,495
	Token-Ring Modules:			
	18-port Active Media Modules, PPS, RJ-45	3018	58G5804	\$5,140
	18-port, RJ-45 Active Module	3118	58G5803	\$3,600
	Dual Fiber Repeater, 10 PPS ports, RJ-45	3010	58G5806	\$6,295
	20-port Passive Media Modules, PMS, RJ-45	3020	58G5802	\$3,145
	Jitter Attenuator Card	8914	58G5843	\$835
	Media Access Card	8913	58G5829	\$2,795
	RI Crossover Adapter	8024	59G0401	\$45
	High End Token-Ring MAC Card (HEMAC)	8925	10J2246	\$3,995
	Memory Expansion (8-MB RAM) for HEMAC	8988	10J2247	\$350
	Memory Expansion (16-MB RAM) for HEMAC	8996	10J2248	\$650

34	8260 NWAYS MULTIPROTOCOL SWITCHING HUB (cont.)				
	8272 LAN Switch Modules:				
	2-slot 8272 LAN Switch Module	6208	51H4589	\$8,650	
	3-slot 8272 LAN Switch Module	6308	51H4591	\$9,650	
	4-port Token-Ring UTP/STP UFC	9196	13H9196	\$1,600	
	2-port Token-Ring Fiber UFC	6985	41H6985	\$1,600	
	8271 LAN Switch Modules:				
	2-slot 8271 LAN Switch Module	6212	51H4593	\$7,950	
	3-slot 8271 LAN Switch Module	6312	51H4595	\$8,950	
	4-port 10BASE-T UFC (Ethernet)	9195	13H9195	\$800	
	3-port 10BASE-FL UFC (Ethernet)	8603	41H7020	\$1,700	
	1-port 100BASE-TX UFC (Ethernet)	6995	41H6995	\$1,300	
	1-port 100BASE-FX UFC (Ethernet)	7000	41H7000	\$1,695	
35	8260 PACKET CHANNEL MODELS				
	7-slot Switch Chassis	P07	29H4378	\$3,700	
	10-slot Switch Chassis	P10	29H4384	\$6,550	
	17-slot Switch Chassis	P17	29H4380	\$8,440	
	17-slot Switch Hybrid Chassis	G17	29H4382	\$9,490	
	8260 Packet Bus Features:				
	12-port 10BASE-T 1-slot	7312	29H4350	\$7,345	
	24-port 10BASE-T 2-slot	7324	29H4352	\$11,335	
	24-port 10BASE-T, Telco, 1-slot	7524	10J2623	\$6,700	
	10-port 10BASE-FB/L 1-slot	7310	29H4354	\$10,495	
	20-port 10BASE-FB/L 2-slot	7320	29H4356	\$18,895	
	12-port 10BASE-T and FDDI DAS 2-slot	7314	29H4358	\$10,495	
	10-port 10BASE-FB/L and FDDI DAS 2-slot	7412	29H4360	\$14,170	
	Dual FDDI DAS 2-slots	7304	29H4362	\$11,125	
	4-port 100BASE-TX 1-slot	7504	29H4366	\$3,500	
	4-port 100BASE-FX 1-slot	7404	29H4364	\$7,135	
	Packet Channel/ATM Module	7302	29H4368	\$11,020	
	LAN Access Switching Module	7016	94H9840	\$12,070	
	Switching Modules Memory Upgrade (8 MB)	8968	29H4372	\$835	
	Switching Modules Memory Upgrade (16 MB)	8976	29H4374	\$1,675	
	ATM 1-port 155-Mbps MMF I/O Card	8955			
35	8260 ATM-READY MULTIPROTOCOL INTELLIGENT SWITCHING HUB				
	Distributed Management Modules (DMM 3.0)	1000	58G5812	withdrawn	
	DMM with Ethernet Carrier (EC-DMM 3.0)	1100	58G5813	withdrawn	
	Advanced DMM/Controller Module	1700	80G3375	\$6,495	
37	ATM MODULES				
	10-slot ATM Chassis	A10	58G9714	\$5,480	
	17-slot ATM Chassis	A17	58G5885	\$8,895	
	17-slot ATM Hybrid Chassis	G17	29H4382	\$9,490	
	ATM 25-Mbps 12-port RJ-45 Concentration Module	5012	51H3828	\$4,195	
	ATM 155-Mbps Flexible Concentrator Module	5002	58G9663	\$3,995	
	ATM 155-Mbps 1 port Fiber Multimode I/O card	8800	58G9667	\$600	
	1-port Fiber Monomode 155-Mbps ATM I/O Card	8801	58G9855	\$3,600	
	ATM 155-Mbps UTP5/STP I/O Card	8802	58G9856	\$320	
	4-port ATM 100-Mbps Fiber Concentrator Module (MIC)	5004	58G5845	\$8,000	
	4-port ATM 100-Mbps Fiber Concentrator Module (SC)	5104	80G3310	\$8,000	
	ATM Switch Control Point Module	5000	58G5846	withdrawn	
	ATM Switch Control Point Module 16 MB	5100	51H3880	\$15,500	
	4-port TR/Ethernet ATM LAN Bridge (8281)	5204	58G9858	\$16,500	
	UTOPIA 1 ATM Carrier Module (1-slot)	5102	58G9860	\$3,250	
	UTOPIA 1 ATM Carrier Module (2-slot)	5202	47H2402	\$3,250	
	1-port E3 I/O Card for WAN/ATM Module	8501	51H4335	\$3,995	
	1-port DS3 I/O Card for WAN/ATM Module	8502	51H4338	\$3,995	
	1-port STM1 I/O Card for WAN/ATM Module (SMF)	8505	51H4557	\$10,995	
	1-port STM1 I/O Card for Module (MMF)	8506	51H4674	\$6,080	
	1-port OC3 I/O Card for WAN/ATM Module (SMF)	8503	51H4558	\$10,995	

37	ATM MODULES			
	1-port OC3 I/O Card WAN/ATM Module (MMF)	8504	51H4673	\$6,080
	8271 Ethernet Switch with ATM (2-slot)	5212	51H4931	\$14,500
	8271 Ethernet Switch with ATM (3-slot)	5312	51H4932	\$15,500
	ATM Upgrade for 8271 LAN Switch Modules (6212, 6213)	5009	51H4935	\$6,550
	8272 Token-Ring Switch with ATM (2-slot)	5208	51H4933	\$13,500
	8272 Token-Ring Switch with ATM (3-slot)	5308	51H4934	\$14,500
	ATM Upgrade for 8272 LAN Switch Modules (6208, 6308)	5010	51H5020	\$4,850
	3-port 155-Mbps Concentration Module	5003	51H4474	\$4,995
	<i>Features:</i>			
	MSS Microcode V2.0	8707	02L1988	\$10,000
	MSS Microcode upgrade V1 to V2	8709	02L1990	\$4,000
	MSS Server Module (1-slot)	5400	86H2923	\$12,860
	MSS Server Module (2-slot)	5300	42H1350	\$12,860
	Memory upgrade to 64MB	5301	02L1992	\$950
	MSS Client with MMF UFC	5205	85H4596	\$7,995
	MSS Client with SMF UFC	5206	85H4599	\$6,995
	MSS Domain Client UFC	5207	85H9303	\$5,845
	ATM 155 MMF/TR II UFC	2762	86H2762	\$4,000
	MSS PCMCIA Hard Disk	8708	85H4658	\$800
	MSS Flash Card	8711	02L1993	\$800
	Video Distribution Module	5008	13J8760	\$20,000
	1-port 155-Mbps I/O Card for 12-port RJ-45 Concentration Module	8510	10J2184	\$1,700
	ATM WAN Module	5602	10J2091	\$6,200
	ATM Control Point Version 3	5511		
	ATM 1-port 155-Mbps MMF I/O Card	8955		
	4-port E1 I/O Card for ATM WAN Module	8507	10J2317	\$8,850
	ATM 1-port 622-Mbps MMF	5101	10J2263	\$13,500
	ATM 1-port 622-Mbps SMF	5201	10J2264	\$15,000
	ATM MMF/Ethernet UFC	6988	41H6988	\$3,995
	Cables for E1/T1/J1:			
	15-m RJ-48 T1/J1 Cable	5241	57G8020	\$57
	15-m DB15 T1 Cable	5243	57G8023	\$62
	15-m 120-ohm (flying) E1 Cable	5260	80G3983	\$77
37	8265 NWAYS ATM SWITCH			
	8265 17-slot chassis	17S	13J8690	\$4,000
	Control Point/Switch Module	6501	13J8704	\$12,700
	Controller Module	8000	13J8708	\$2,095
	PCMCIA IISP Code card for CP/SW	6505	13J8696	\$750
	PCMCIA PNNI Code card for CP/SW	6506	02L2415	\$2,500
	CP/SWITCH Memory Upgrade (16 Meg)	6516	13J8698	
	Code Download Kit	3150	02L2437	\$160
	-48V Power Supply	8026	02L2438	\$1,650
	415W Power Supply	8027	13J8706	\$1,295
	ATM Features:			
	1-port, 622-Mbps Multimode ATM Module	6511	02L2412	\$4,700
	1-port, 622-Mbps Singlemode ATM Module	6512	02L2413	\$9,450
	4-port, 155-Mbps Integrated ATM Module	6540	02L2414	\$3,600
	4-port, 155-Mbps Flexible ATM Module	6543	13J8738	\$2,500
	1-port ATM MMF I/O for 155 m flexible	6580	02L2416	\$600
	1-port ATM SMF I/O for 155 m flexible	6581	02L2418	\$2,600
	1-port ATM UTP5/STP I/O for 155 m flexible	6582	02L2420	\$220
	12-port, 25-Mbps ATM Module (RJ-45)	5012	13J8713	\$4,195
	1-port, 155-Mbps MMF I/O for FC 5012	8510	13J8733	\$1,700
	1-slot UTOPIA 1 ATM Carrier Module	5102	13J8730	\$3,250
	4-port, 100-Mbps Fiber Module (SC)	5104	13J8722	\$8,000
	ATM WAN 2 Module	5602	13J8734	\$6,200
	4-port E1/T1/J1 I/O Card (US, Canada) (This reference has to be used for all countries where the E3 card does not require homologation.)	6570	13J8728	\$8,850
37	8265 NWAYS ATM SWITCH			
	4-port E1/T1/J1 I/O Card (CE mark)	6571	03K5473	\$8,850
	4-port E1/T1/J1 I/O Card (UK)	6572	03K5474	\$8,850

37	8265 NWAYS ATM SWITCH (cont.)				
	4-port E1/T1/J1 I/O Card (Switzerland)	6573	03K5475	\$8,850	
	4-port E1/T1/J1 I/O Card (Italy)	6574	02L3055	\$8,850	
	1-p E3 I/O Card (France, Spain) (This reference has to be used for all countries where the E3 card does not require homologation.)	6590	13J8715	\$3,995	
	1-port E3 I/O Card (Switzerland)	6591	13J8764	\$3,995	
	1-port E3 I/O Card (UK)	6592	13J8766	\$3,995	
	1-port E3 I/O Card (New Zealand)	6593	13J8767	\$3,995	
	1-port E3 I/O Card (Australia)	6594	13J8768	\$3,995	
	1-port E3 I/O Card (Italy)	6595	13J8769	\$3,995	
	1-port E3 I/O Card (Germany)	6596	13J8770	\$3,995	
	1-port E3 I/O Card (Belgium)	6597	13J8771	\$3,995	
	1-port E3 I/O Card (Netherlands)	6598	13J8772	\$3,995	
	1-port E3 I/O Card (Israel)	6599	13J8773	\$3,995	
	1-port DS3 (T3) Card	8502	13J8716	\$3,995	
	1-port OC3 SMF Card	8503	13J8717	\$10,995	
	1-port OC3 MMF Card	8504	13J8718	\$6,080	
	1-port STM1 SMF Card	8505	13J8719	\$10,995	
	1-port STM1 MMF Card	8506	13J8720	\$6,080	
	8272 ATM/LAN Switch Module (2-slot)	5208	13J8725	\$13,500	
	8272 ATM/LAN Switch Module (3-slot)	5308	13J8726	\$14,500	
	ATM MMF Fiber/TR II UFC for 8272	2762	86H2762	\$4,000	
	2-port Enhanced Fiber UFC for 8272	5087	85H5087	\$1,600	
	4-port Enhanced UTP/STP UFC for 8272	5092	85H5092	\$1,600	
	8271 ATM/LAN Switch Module (2-slot)	5212	13J8723	\$14,500	
	8271 ATM/LAN Switch Module (3-slot)	5312	13J8724	\$15,500	
	ATM MMF Fiber/Ethernet UFC for 8271	6988	41H6988	\$3,995	
	100BASE-TX UFC (1-port) for 8271	6995	41H6995	\$1,300	
	100BASE-FX UFC (1-port) for 8271	7000	41H7000	\$1,695	
	10BASE-FL UFC (3-port) for 8271	8603	41H7020	\$1,350	
	10BASE-T UFC (4-port) for 8271	9195	13H9195	\$800	
	Other Feature Modules:				
	VDM (Video Distribution Module)	5008	13J8760	\$20,000	
	8210 MSS Server Module (2-slot)	5300	02L3159	\$12,260	
	8210 MSS Microcode V2 with PCMCIA hard disk	8707	02L3073	\$10,800	
	8210 MSS Modem	by country	by country	\$600	
	Cables:				
	Cable T1/J1 RJ-48(15 m)	5241	57G8020	\$57	
	Cable T1 DB15(15 m)	5243	57G8023	\$62	
	Cable E1 120 ohm (15 m)	5260	80G3983	\$77	
	Documentation:				
	8265 Documentation Library Release 1.0 (CD-ROM)	6508	13J8697	\$75	
38	8274 NWAYS LAN ROUTESWITCH				
	8274 Nways LAN RouteSwitch Model 900	900	85H7149	\$6,545	
	8274 Nways LAN RouteSwitch Model 913	913	85H7147	\$7,950	
	8274 Nways LAN RouteSwitch Model 500	500	85H7150	\$3,850	
	8274 Nways LAN RouteSwitch Model 513	513	85H7146	\$5,250	
	8274 Nways LAN RouteSwitch Model 548 (48V DC)	548		\$3,750	
	8274 Nways LAN RouteSwitch Model W53	W53	86H0012	\$5,250	
	8274 Nways LAN RouteSwitch Model W93	W93	86H0323	\$7,950	
	High-density Ethernet Switching Modules:				
	32-port Ethernet 10BASE-T RJ-45 1 k	3171	86H3171	\$5,950	
	Switching Modules:				
	12-port Ethernet 10BASE-T RJ-45	7108	85H7108	\$3,950	
	12-port Ethernet 10BASE-T RJ-45	6863	85H6863	\$5,800	
	12-port Ethernet 10BASE-T Telco	7107	85H7107	\$3,950	
	8-port Ethernet 10BASE-FL ST	7106	85H7106	\$6,950	
	8-port Ethernet 10BASE-FL ST	6864	85H6864	\$5,800	
	Ethernet Universal Switching	7105	85H7105	\$3,950	

38	8274 NWAYS LAN ROUTESWITCH				
	Switching Modules:				
	Ethernet Universal Switching	6865	85H6865	\$4,300	
	Fast Ethernet Switching Modules:				
	12-port Fast Ethernet 10/100BASE-TX/FDX 1K	3029/500,513,900, 913,W53,W93	86H3029	\$5,450	
	8-port Fast Ethernet 100BASE-FX/FDX 4K	3031/500,513,900, 913,W53,W93	86H3031	\$7,950	
	2-port WAN Frame Relay Universal Connector	3023/500,513,900, 913,W53,W93	86H3023	\$5,500	
	Adapter Boards:				
	Universal Switching AUI/10BASE-T RJ-45	7104	85H7104	\$450	
	Universal Switching 10BASE-FL MMF	7103	85H7103	\$450	
	Universal Switching 10BASE-FL SMF	7102	85H7102	\$1,450	
	Universal Switching 10BASE-T RJ-45	7101	85H7101	\$250	
	Universal Switching 10BASE-2 BNC	7100	85H7100	\$250	
	Universal Switching 10BASE-2 FDX AUI	7099	85H7099	\$450	
	Fast Ethernet:				
	4-port Fast Ethernet 10BASE-T RJ-45	7098	85H7098	\$2,080	
	4-Port Fast Ethernet 10BASE-T RJ-45	6867	85H6867	\$2,220	
	8-Port Fast Ethernet 10BASE-T RJ-45	7025	85H7025	\$2,780	
	8-Port Fast Ethernet 10BASE-T RJ-45	6868	85H6868	\$2,920	
	1-port 100BASE-TX	7096	85H7096	\$3,950	
	1-port 100BASE-TX	6869	85H6869	\$4,300	
	2-port 100BASE-TX	7095	85H7095	\$4,450	
	2-port 100BASE-TX	6870	85H6870	\$4,800	
	1-port 100BASE-FX MMF	7094	85H7094	\$4,400	
	1-port 100BASE-FX MMF	6871	85H6871	\$4,750	
	2-port 100BASE-FX MMF	7093	85H7093	\$5,350	
	2-port 100BASE-FX MMF	6872	85H6872	\$5,700	
	1-port 100BASE-FX SMF	7092	85H7092	\$6,400	
	1-port 100BASE-FX SMF	6873	85H6873	\$6,750	
	2-port 100BASE-FX SMF	7091	85H7091	\$9,350	
	2-port 100BASE-FX SMF	7074	85H7074	\$9,700	
	1 and 4-port 100BASE-TX RJ-45 Cat. 5	8722	85H8722	\$5,700	
	1 and 4-port 100BASE-TX RJ-45 Cat. 5	8723	85H8723	\$6,050	
	1 and 4-port 100BASE-TX MMF/Cat. 5	8724	85H8724	\$6,150	
	1 and 4-port 100BASE-TX MMF/Cat. 5	8725	85H8725	\$6,500	
	1 and 4-port 100BASE-TX MMF/Cat. 5	8726	85H8726	\$8,150	
	1 and 4-port 100BASE-TX MMF/Cat. 5	8727	85H8727	\$8,500	
	Token-Ring:				
	6-port Token-Ring 4/16 ST	7089/500,513,900, 913,W53,W93	85H7089	\$10,950	
	6-port Token-Ring Fiber 4/16 ST	9588/500,513,900, 913,W53,W93	02L0588	\$11,650	
	6-port Token-Ring 4/16 UTP-STP 1K CAM	7088/500,513,900, 913,W53,W93	85H7088	\$8,850	
	WAN Switching Modules:				
	6-port Token-Ring 4/16 UTP-STP 4K CAM	9590/500,513,900, 913,W53,W93	02L0590	\$9,550	
	2-port WAN Frame Relay Universal Connector	3032/500,513,900, 913,W53,W93	86H3032	\$5,500	
	4-port WAN Frame Relay Universal Connector	8728/500,513,900, 913,W53,W93	85H8728	\$7,000	
	8-port WAN Frame Relay Universal Connector	8729/500,513,900, 913,W53,W93	85H8729	\$9,500	
	High-performance ATM Switching Modules:				
	1-port ATM2 155-Mbps OC3 MMF 4K CAM	3009/500,513,900, 913,W53,W93	86H3009	\$9,400	
	2-port ATM2 155-Mbps OC3 MMF 4K CAM	3013/500,513,900, 913,W53,W93	86H3013	\$13,850	

38	8274 NWAYS LAN ROUTESWITCH				
	High-performance ATM Switching Modules:				
	1-port ATM2 155-Mbps OC3 SMF 4K CAM	3017/500,513,900, 913,W53,W93	86H3017	\$12,400	
	2-port ATM2 155-Mbps OC3 SMF 4K CAM	3021/500,513,900, 913,W53,W93	86H3021	\$19,850	
	ATM Modules:				
	1-port ATM 155-Mbps OC3 MMF 500KSRM 1K	7078/500,513,900, 913,W53,W93	85H7078	\$9,400	
	1-port ATM 155-Mbps OC3 MMF 2MSRAM 1K	7086/500,513,900, 913,W53,W93	85H7086	\$4,700	
	2-port ATM 155-Mbps OC3 MMF 2MSRAM1K	7084/500,513,900, 913,W53,W93	85H7084	\$6,925	
	1-port ATM 155-Mbps OC3 MMF 2MSRAM 4K	9572/500,513,900, 913,W53,W93	02L0572	\$10,100	
	2-port ATM 155-Mbps OC3 MMF 2MSRAM 4K	9574/500,513,900, 913,W53,W93	02L0574	\$14,550	
	1-port ATM 155-Mbps OC3 SMF 2MSRAM 1K	7082/500,513,900, 913,W53,W93	85H7082	\$12,400	
	2-port ATM 155-Mbps OC3 SMF 2MSRAM 1K	7080/500,513,900, 913,W53,W93	85H7080	\$19,850	
	1-port ATM 155-Mbps OC3 SMF 2MSRAM 4K	9576/500,513,900, 913,W53,W93	02L0576	\$13,100	
	2-port ATM 155-Mbps OC3 SMF 2MSRAM 4K	9578/500,513,900, 913,W53,W93	02L0578	\$20,550	
	1-port ATM 155-Mbps OC3 UTP 2MSRAM 1K	7078/500,513,900, 913,W53,W93	85H7078	\$9,400	
	2-port ATM 155-Mbps OC3/UTP 2MSRAM1K	7076/500,513,900, 913,W53,W93	85H7076	\$13,800	
	1-port ATM DS3 RG59 500KSRM 1K CAM	7051/500,513,900, 913,W53,W93	85H7051	\$8,950	
	2-port ATM DS3 RG59 500KSRM 1K CAM	7052/500,513,900, 913,W53,W93	85H7052	\$12,950	
	1-port ATM ES3 RG59 500KSRM 1K CAM	7053/500,513,900, 913,W53,W93	85H7053	\$8,950	
	1-port ATM ES3 RG59 500KSRM 1K CAM	7054/500,513,900, 913,W53,W93	85H7054	\$12,950	
	1-port ATM2 155-Mbps OC3 MMF 4K CAM	3009/500,513,900, 913,W53,W93	85H3009	\$9,400	
	2-port ATM2 155-Mbps OC3 MMF 4K CAM	3013/500,513,900, 913,W53,W93	85H3013	\$13,850	
	1-port ATM2 155-Mbps OC3 SMF 4K CAM	3017/500,513,900, 913,W53,W93	85H3017	\$12,400	
	2-port ATM2 155-Mbps OC3 SMF 4K CAM	3021/500,513,900, 913,W53,W93	85H3021	\$19,850	
	FDDI/CDDI:				
	1-port FDDI/DAS MMF 1K CAM	7055/500,513,900, 913,W53,W93	85H7055	\$3,975	
	2-port FDDI/DAS MMF 1K CAM	7056/500,513,900, 913,W53,W93	85H7056	\$5,475	
	1-port FDDI/DAS MMF 4K CAM	9580/500,513,900, 913,W53,W93	02L0580	\$8,650	
	2-port FDDI/DAS MMF 4K CAM	9582/500,513,900, 913,W53,W93	02L0582	\$11,650	
	4-port CDDI/UTP 1K CAM	7057/500,513,900, 913,W53,W93	85H7057	\$3,975	
	8-port CDDI/UTP 1K CAM	7058/500,513,900, 913,W53,W93	85H7058	\$5,475	
	5-port FDDI/DAS MMF+4-port CDDI 1K	7028/500,513,900, 913,W53,W93	85H7028	\$5,475	
	1-port FDDI/DAS SMF 1K CAM	7060/500,513,900, 913,W53,W93	85H7060	\$5,475	
	2-port FDDI/DAS SMF 1K CAM	7061/500,513,900, 913,W53,W93	85H7061	\$8,475	

38	8274 NWAYS LAN ROUTESWITCH (cont.)				
	FDDI/CDDI:				
	1-port FDDI/DAS SMF 4KCAM	9584/500,513,900, 913,W53,W93	02L0584	\$11,650	
	2-port FDDI/DAS SMF 4KCAM	9586/500,513,900, 913,W53,W93	02L0586	\$17,650	
	1-port FDDI/DAS SMF LH 1K CAM/W	0583/W53,W93	86H0583	\$5,875	
	2-port FDDI/DAS SMF LH 1K CAM/W	0585/W53,W93	86H0585	\$9,475	
	Increased LAN Address Capacity Switching Module:				
	1-port ATM 155 OC3 MMF 2MSRAM 4K	9572/500,513,900, 913,W53,W93	02L0572	\$10,100	
	2-port ATM 155 OC3 MMF 2MSRAM 4K	9574/500,513,900, 913,W53,W93	02L0574	\$14,550	
	1-port ATM 155 OC3 SMF 2MSRAM 4K	9576/500,513,900, 913,W53,W93	02L0576	\$13,100	
	2-port ATM 155 OC3 SMF 2MSRAM 4K	9578/500,513,900, 913,W53,W93	02L0578	\$20,550	
	1-port FDDI/DAS MMF 4K CAM	9580/500,513,900, 913,W53,W93	02L0580	\$8,650	
	2-port FDDI/DAS MMF 4K CAM	9582/500,513,900, 913,W53,W93	02L0582	\$11,650	
	1-port FDDI/DAS/SMF/4KCAM	9584/500,513,900, 913,W53,W93	02L0584	\$11,650	
	2-port FDDI/DAS SMF 4KCAM	9586/500,513,900, 913,W53,W93	02L0586	\$17,650	
	6-port Token-Ring 4/16 FIBERST 4KCAM	9588/500,513,900, 913,W53,W93	02L0588	\$11,650	
	6-port Token-Ring 4/16 UTP-STP 4KCAM	9590/500,513,900, 913,W53,W93	02L0590	\$9,550	
	Management Processors:				
	Management Processor Module II 16 MB - 3.0	2850/500,513, 900, 913	86H2850	\$2,950	
	Management Processor Module-1G - 3.0	0586/500,513, 900, 913	86H0586	\$6,450	
	Management Processor Module-1GW - 3.0	0587/W53,W93	86H0587	\$6,450	
	Hardware Routing Engine:				
	HRE for Management Processor Module-1G/1GW	0588/500,513, 900, 913, W53,W93	86H0588	\$4,995	
	HRE for MPM-II-16 MB (HRE-KIT-16 MB)	2987/500,513, 900, 913	86H2987	\$4,995	
	Processor Upgrades:				
	1K-CAM Upgrade	7062/500,513,900, 913,W53,W93	85H7062	\$350	
	Management Processor Module Upgrade 16 MB	7110/500,513, 900, 913	85H7110	\$1,475	
	Management Processor Module Upgrade 64 MB	2993/513,913, W53,W93	86H2993	\$1,495	
	Power Supply:				
	M513 250W	7141		\$2,500	
	M900 350W	7139		\$2,500	
	RouteSwitch User's Guide:				
	8274 Version 3.0 User's Guide	8004/500,513,900, 913,W53,W93	86H0291	call	
	8274 Version 3.0 User's Guide	0291/500,513,900, 913,W53,W93	86H0291	call	
	Nways RouteSwitch User's Guide	2212	86H0291	call	
40	8274 Nways RouteSwitch Software Program:				
	8274 NRSP Version 3.0 (FREE with HDW MPM)	1544	4300003	call	
	8274 Nways ATM RouteCell Software Program Version 3.0	1545	4300004	call	
	8274 Nways RouteSwitch Advance RouteTracker Software Program Version 3.0	1546	4300005	call	
	8274 Nways RouteSwitch Software Program Upgrade Version 3.0	0736	4300006	call	

40	NWAYS ROUTESWITCH NETWORK MANAGER (NRSM)				
	IBM Nways RouteSwitch Network Manager Version 3 Sun Solaris	5697-B67	4300388	\$1,595	
	IBM Nways RouteSwitch Network Manager Version 3 HP-UX	5697-B67	4300387	\$1,595	
	IBM Nways RouteSwitch Network Manager Version 3 AIX	5697-B67	4300386	\$1,595	
	IBM Nways RouteSwitch Network Manager Version 3 NT/95	5697-B67	4300385	\$1,595	
	IBM Nways RouteSwitch Network Manager Version 3 Upgrade from V2.0/2.1 Sun Solaris	5697-B67	4300294	\$495	
	IBM Nways RouteSwitch Network Manager Version 3 Upgrade from V2.0/2.1 HP-UX	5697-B67	4300292	\$495	
	IBM Nways RouteSwitch Network Manager Version 3 Upgrade from V2.1 AIX	5697-B67	4300290	\$495	
	IBM Nways RouteSwitch Network Manager Version 3 Upgrade from V2.0/2.1 NT/95	5697-B67	4300289	\$495	
	IBM Nways RouteTracker Manager Version 3 Upgrade from V2.1 AIX	5697-B68	4300259	\$495	
	IBM Nways RouteTracker Manager Version 3 Upgrade from V2.1 NT/95	5697-B68	4300258	\$495	
	IBM Nways RouteDirector Manager Version 3 NT/95	2410	4300228	call	
	IBM Nways RouteMonitor Manager NT/95	2406	4300239	call	
41	NWAYS ROUTETRACKER MANAGER (NTRM)				
	Nways RouteTracker Manager V3.0 Sun Solaris	5697-B68	4300269	\$1,595	
	Nways RouteTracker Manager V3.0 HP-UX	5697-B68	4300268	\$1,595	
	Nways RouteTracker Manager V3.0 AIX	5697-B68	4300267	\$1,595	
	Nways RouteTracker Manager V3.0 Windows NT/Windows 95	5697-B68	4300266	\$1,595	
	NRTM User's Guide		86H0288	no charge	
41	NWAYS ROUTEMONITOR MANAGER (NRRM)				
	Nways RouteManager V3.0 Windows NT/Windows 95	4009	5697-C11	\$495	
41	8300 VIDEO ACCESS NODE				
	8300 Model 300 Video Access Node	300		\$7,295	
	Rack Mount Kit	3200		\$180	
	MPEG-2 Encoder Card	2100		\$33,995	
	MPEG-2 Decoder Card	2200		\$2,295	
	155 Mbps PCI MMF ATM Adapter	2310		\$1,195	
	155 Mbps PCI UTP5/STP ATM Adapter	2320		\$1,095	
	25 Mbps PCI UTP/STP ATM Adapter	2350		\$295	
	15-inch Multisync Adapter	3100		\$539	
	Token-Ring Adapter	2400		\$350	
	Audio Visual Hard File	3300		\$2,069	
42	2220 NWAYS BROADBAND SWITCH				
	IBM Nways BroadBand Switch Control Program Version 2 Release 1		5765-C71	\$31,500	
	Mod 300 OTC (Group 30)	0358		\$10,000	
	Mod 300 MLC (Group 30)	0377		\$208	
	Mod 500 OTC (Group 50)	0359		\$40,000	
	Mod 500 MLC (Group 50)	0378		\$833	
	Mod 501 OTC (Group 50)	0376		\$24,000	
	Mod 501 MLC (Group 50)	0379		\$500	
	ISDN/Q.SIG OTC (Groups 30 & 50)	0055		\$20,000	
	ISDN/Q.SIG MLC (Groups 30 & 50)	0056		\$416	
	MLTK OTC (Groups 30 & 50)	0057		\$10,000	
	MLTK MLC (Groups 30 & 50)	0058		\$208	
	Mod 300 V1-V2 NoF (Group 30)	0360		\$5,000	
	Mod 300 V1-V2 F/R (Group 30)	0361		\$2,000	
	Mod 300 V1-V2 CAS (Group 30)	0362		\$2,000	
	Mod 300 V1-V2 X25 (Group 30)	0363		\$2,000	
	ISDN/Q.SIG Migration (Groups 30 & 50)	0369		no charge	
	Mod 500 V1-V2 NoF (Group 50)	0364		\$10,000	
	Mod 500 V1-V2 F/R (Group 50)	0365		\$7,000	
	Mod 500 V1-V2 CAS (Group 50)	0366		\$7,000	
	Mod 500 V1-V2 X25 (Group 50)	0367		\$7,000	
	Mod 501 V1-V2 (Group 50)	0368		\$4,000	

42	2220 NWAYS BROADBAND SWITCH (cont.)			
	Network Management:			
	Nways Enterprise Manager Release 3		5777-AAK	\$31,500
	Nways Enterprise Manager Release 3 from Release 1		5777-AAK	\$16,500
	Nways Enterprise Manager Release 3 from Release 2		5777-AAK	\$200
	Optional Features:			
	NAS MES - Disks replacement by large disks	300/500/3000		\$2,000
	NAS MES - NAS replacement by new NAS	300/500/3100		\$7,500
	LIC562 One J2 Multi-Access interface	300/500/501/5562		\$9,000
	Specify Codes:			
	V.1 R.5 Preloaded code	300/500/9015		no charge
	V.2 R.1 Preloaded code	300/500/9021		no charge
43	2219 NWAYS FRAME RELAY SWITCH			
	2219 Nways Frame Relay Switch Model 250	250		\$18,350
43	2225 NWAYS MULTISERVICE SWITCH			
	2225 Model 400	400		\$6,500
	2225 Model 450	450		\$21,500
43	2230 NWAYS ATM SWITCH			
	2230 Model 600	600		\$22,500
	2230 Model 650	650		\$75,500
43	NWAYS WIDE AREA ELEMENT MANAGER			
	Nways Wide Area Element Manager, HP OpenView		5765-A16	withdrawn
	Nways Wide Area Element Manager, HP OpenView for Sun Solaris		5765-C20	\$4,000
	Nways Wide Area Statistics Collector, Sun Solaris V2.5		5765-C46	\$7,500
	Nways Wide Area Element Configuration API, Sun Solaris V1.2		5765-C49	\$15,000
	Nways Wide Area Fault Manager, Sun Solaris		5746-C51	\$10,000
	Nways Wide Area Customer Network Management Agent, Sun Solaris		5746-C48	\$7,500
44	2218 NWAYS FRAME RELAY ACCESS DEVICE			
	FN or CN 2 Serial ports with no LAN - 12X	12X		withdrawn
	FN CN 2 Serial and Ethernet - 12E	12E		withdrawn
	FN or CN 2 serial and Token-Ring - 12T	12T		withdrawn
	FN or CN 4 Serial and Ethernet - 14E	14E		withdrawn
	FN or CN 4 Serial and Token-Ring - 14T	14T		withdrawn
	FN with 4 Serial ports - 14X	14X		withdrawn
	FN or CN 8 Serial and Ethernet - 18E	18E		\$3,795
	FN or CN 8 Serial and Token-Ring - 18T	18T		\$4,295
	FN with 8 Serial ports - 18X	18X		\$3,595
	FN Extended 2 Serial and Ethernet - 32E	32E		\$3,895
	FN Extended 2 Serial and Token-Ring - 32T	32T		\$4,395
	FN Extended 4 Serial and Ethernet - 34E	34E		\$4,395
	FN Extended 4 Serial and Token-Ring - 34T	34T		\$4,895
	FN Extended 8 Serial and Ethernet - 38E	38E		\$5,195
	FN Extended 8 Serial and Token-Ring - 38T	38T		\$5,695
	2 RS-232 ports, Ethernet port - O2E	O2E		\$995
	2 RS-232 ports, Token-Ring port - O2T	O2T		\$1,495
	2 RS-232 ports, No LAN - O2X	O2X		\$895
	Hardware Features:			
	Integrated DSU/CSU Adapter (0xx Models)	1000		\$500
	ISDN BRI Adapter (0xx Models)	1010		\$600
	2-port Synchronous Adapter (0xx Models)	1200		\$400
	FRAD/Manager for Windows	2421		\$395
	Hardware Features:			
	FRAD/Manager for UNIX	2428		\$2,990
	Rack Access Kit	2500		\$100
	4MB Additional DRAM (0xx Models)	3005		\$475
	4MB Additional DRAM (3xx Models)	3110		\$475

44	2218 NWAYS FRAME RELAY ACCESS DEVICE (cont.)				
	Cables:				
	RS-232 DTE (with modem) female DB25	2401		\$50	
	RS-232 DCE (without modem) female DB25	2402		\$50	
	V.35 DTE (with modem) female Winchester	2403		\$160	
	V.35 DTE (with modem) male Winchester	2404		\$160	
	V.35 DCE (without modem) female Winchester	2405		\$160	
	X.2.1/V.11 DTE (with modem) female DB15	2406		\$160	
	X.2.1/V.11 DTE (with modem) female DB15	2407		\$160	
	Communication Port Adapter Kit	2408		\$120	
	Microcode Features for 2218 0xx Models:				
	Frame Relay Node - Basic	5000		\$500	
	Frame Relay Node - Internetworking	5005		\$1,000	
	Upgrade from FR Node - Basic to Internetworking	5010		\$500	
	Upgrade from FR Node- Basic to Enterprise	5011		\$500	
	Conversion Node	5020		\$1,000	
	Frame Relay Node - Enterprise	5100		\$1,000	
	Upgrade from FR - Internetworking to Enterprise	5012		\$0	
44	9729 OPTICAL WAVELENGTH DIVISION MULTIPLEXER				
	9729 Optical Wavelength Division Multiplexer Model 001 Base	001		\$0	
	Type A Unit Indicator	1000		\$0	
	Type B Unit Indicator	2000		\$0	
	Base Unit with 115 V	1000		\$49,495	
	Base Unit with 240 V	1001		\$49,495	
	Grating Assembly	3040		\$95,995	
	<i>Control cards:</i>				
	Diagnostic Card	3031	85H7280	\$2,445	
	TEC Card	3032	41H8067		withdrawn
	TEC2 Card	3033	85H7308	\$2,250	
	TEC to TEC2 Upgrade	RPQ 8Q1714		\$1,750	Returned Parts/MES
	<i>Laser/Receiver Cards (LRCs):</i>				
	Laser Card A1	3001	85H7284	\$16,000	
	Laser Card A2	3002	85H7285	\$16,000	
	Laser Card A3	3003	85H7286	\$16,000	
	Laser Card A4	3004	85H7287	\$16,000	
	Laser Card A5	3005	85H7288	\$16,000	
	Laser Card A6	3006	85H7289	\$16,000	
	Laser Card A7	3007	85H7290	\$16,000	
	Laser Card A8	3008	85H7291	\$16,000	
	Laser Card A9	3009	85H7292	\$16,000	
	Laser Card A10	3010	85H7293	\$16,000	
	Laser Card B1	3021	85H7294	\$16,000	
	Laser Card B2	3022	85H7295	\$16,000	
	Laser Card B3	3023	85H7296	\$16,000	
	Laser Card B4	3024	85H7297	\$16,000	
	Laser Card B5	3025	85H7298	\$16,000	
	Laser Card B6	3026	85H7299	\$16,000	
	Laser Card B7	3027	85H7300	\$16,000	
	Laser Card B8	3028	85H7301	\$16,000	
	Laser Card B9	3029	85H7302	\$16,000	
	Laser Card B10	3030	85H7303	\$16,000	
	Laser Receiver Card Blank Panel	3039		\$70	
	Laser Card(s) Upgrade to 1 Gbit	RPQ 8Q1715		\$7,500	Returned Parts/MES
	<i>I/O Cards (I/Os):</i>				
	FDDI Card	3034	41H8068	\$995	
	ETR/ESCON Card	3035	85H7277	\$1,000	
	Fiber I/O Card	3036	41H9050	\$695	
	ISC for Coupling Links Adapter Card	3050	85H7304	\$10,000	
	ISC for Coupling Links Adapter MES	RPQ 8Q1713		\$10,000	
	Dual-Fiber I/O Card	3037	41H9051	\$6,000	
46	I/O Card Blank Panel	3038	41H8063	\$75	
	<i>Accessories:</i>				
	Ship Group	1002		\$300	

44	9729 OPTICAL WAVELENGTH DIVISION MULTIPLEXER (cont.)				
46	Location Group	1003		\$4,800	
	PCI Bus:				
	RS232		85H7204	\$695	
	V.35		85H7205	\$695	
	X.21		85H7882	\$695	
	RS422/449		85H7206	\$695	
	ISA Bus:				
	RS232	2880	33G8469	\$599	
	V.35	2884	33G8470	\$599	
	X.21	2888	33G8471	\$599	
	RS422/449	2890	33G8472	\$599	
	MC Bus:				
	RS232	2872	33G8465	withdrawn	
	V.35	2873	33G8466	withdrawn	
	X.21	2875	33G8467	withdrawn	
	RS422/449	2878	33G8468	withdrawn	
	Accessories (MCA or ISA Bus):				
	RS232 Second port	2973	33G8461	call	
	V.35 Second port	2974	33G8462	call	
	X.21 Second port	2975	33G8463	call	
	RS422/449 Second port	2976	33G8464	call	
47	8229 LAN BRIDGE				
	Token-Ring to Token-Ring Bridge Model 001	001	73G4761	\$3,495	
	Ethernet to Token-Ring Bridge Model 002	002	73G4770	\$3,495	
	Token-Ring Local to Token-Ring Remote Bridge Model 003	003	73G4771	\$3,495	
	Single-port Token-Ring Module	4762	73G4762	\$874	
	Dual-port Token-Ring Module	4763	73G4763	\$1,422	
	Single-port Ethernet Module	4764	73G4764	\$564	
	Dual-port Ethernet Module	4765	73G4765	\$595	
47	Cable options for Model 003:				
	8229 WAN Connector Cable RS-232	3822	10H3822	\$200	
	8229 WAN Connector Cable X.21	3820	10H3820	\$175	
	8229 WAN Connector Cable V.35	3821	10H3821	\$300	
47	ROUTEEXPANDER/2 FAMILY				
	RouteXpander/2 Version 1.01		5621-398	call	
	RouteXpander/2 Version 2.0		5622-376	call	
	RouteXpander LNM Support/2		5622-422	call	
	RouteXpander X.25 Support/2		5622-423	call	
	RouteXpander Multiport Support/2		5622-424	call	
	X.25 Xpander/2 Version 1		5622-380	call	
48	TOKEN-RING BRIDGE				
	Local Token-Ring Bridge/DOS Version 1.0		5622-135	call	
	LANStreamer Token-Ring Bridge/DOS		5622-137	call	
	Frame Relay Token-Ring Bridge/DOS		5622-371	call	
	LAN Bridge Manager 2			call	
49	2210 NWAYS MULTIPROTOCOL ROUTER				
	2210 Nways Multiprotocol Router Model 1U4	IU4	85H7794	\$1,425	*
	2210 Nways Multiprotocol Router Model 1U8	IU8	85H7795	\$1,825	*
	2210 Nways Multiprotocol Router Model 12E	12E	86H1759	\$2,845	*
	2210 Nways Multiprotocol Router Model 12T	12T	86H1758	\$3,345	*
	2210 Nways Multiprotocol Router Model 127	127	86H1760	\$4,045	*
	2210 Nways Multiprotocol Router Model 128	128	86H1761	\$3,545	*
	2210 Nways Multiprotocol Router Model 14T	14T	86H1778	\$4,495	*
	2210 Nways Multiprotocol Router Model 24T	24T	86H1779	\$5,495	*
	2210 Nways Multiprotocol Router Model 24E	24E	86H1780	\$4,495	*
	2210 Nways Multiprotocol Router Model 24M	24M	86H1781	\$4,995	*
	2210 Nways Multiprotocol Router Model 1S4	1S4	85H7796	\$1,425	*
	2210 Nways Multiprotocol Router Model 1S8	1S8	85H7797	\$1,825	* Prices include MRS software listed below

49	2210 NWAYS MULTIPROTOCOL ROUTER (cont.)				
	<i>Adapters:</i>				
	ISDN Quad BRI Adapter-U Interface	3104	72H5062	\$1,995	
	ISDN Quad BRI Adapter-S/T Interface	3105	85H7782	\$1,995	
	ISDN BRI Adapter	3101	41H7089	\$500	
	ISDN PRI T1/J1 Adapter	3107	41H7150	\$2,695	
	ATM 25 Mbps Adapter	3901	41H9100	\$2,195	
	WAN 4-Port Concentrator Adapter	3120	41H9106	\$1,295	
	WAN 8-Port Concentrator Adapter	3121	55H7489	\$2,195	
	U.S. 14.4 Modem Feature Kit	2814	41H7096	\$299	
	ISDN PRI E1-120 Ohm Adapter	3108	55H7508	\$2,695	
	<i>Upgrades:</i>				
	16 MB SIMM DRAM (Field Upgradable for x4x)	4016	41H7079	\$150	
	32 MB SIMM DRAM (Field Upgradable for x4x)	4032	41H7123	\$310	
	4 MB Additional Flash SIMM (Field Upgradable for x4x)	4104	41H7077	\$210	
	8 MB Additional Flash SIMM (Field Upgradable for x4x)	4108	55H9399	\$415	
	8 MB SIMM DRAM (Field Upgradable for 12x)	4048	25H4974	\$93	
	16 MB SIMM DRAM (Field Upgradable for 12x)	4057	42H2671	\$150	
	<i>Software (Preload Features):</i>				
	MRS Version 2.0 (Models 1U4/8, 1S4/8)	5801-AAR/8593	14J1768	\$275	*
	MRS Version 2.0 (Model 12x)	5801-AAR/8594	14J1769	\$450	*
	MRS Version 2.0 (Model x4x)	5801-AAR/8595	14J1770	\$700	*
	MRS Version 2.1 (1U4/8, 1S4/8)	5801-AAR/8596	14J1771	\$275	*
	MRS Version 2.1 (12x)	5801-ARR/8597	14J1780	\$450	*
	MRS Version 2.1 (x4x)	5801-ARR/8598	14J1781	\$700	included in 2210 models above
	MRNS/MRS ICA to MRS Version 2 IPLA Upgrade	5803-AAR/4490	14J1772	\$68	
	MRNS/MRS ICA or MRS Version 2 to Version 2.1 Upgrade	5803-AAR/4491	14J1773	\$68	
	MRS Version 2.1 Network Dispatcher	5801-AAR/8604	14J1784	\$495	
	Network Dispatcher for IBM Networking - 1 Balanced Server Use Authorization	5807-AAR/0720	84H7351	\$1,470	
51	2216 NWAYS MULTIACCESS CONNECTOR MODEL 400	400		\$8,250	
	Adapters/Features				
	Dual AC Power Supply	2500		\$2,500	
	2-port Token-Ring Adapter	2280		\$4,000	
	2-port Ethernet Adapter	2281		\$4,000	
	8-port EIA-232/V.24 Adapter	2282		\$8,000	
	1-port ISDN PRI T1/J1 Adapter	2283		\$7,500	
	1-port 155 Mbps ATM MMF Adapter	2284		\$7,500	
	1-port FDDI MMF Adapter	2286		\$10,000	
	1-port ESCON Channel Adapter	2287		\$20,000	
	1-port 10/100-Mbps Ethernet Adapter	2288		\$3,000	
	1-port HSSI Adapter	2289		\$6,000	
	6-port V.35/V.36 Adapter	2290		\$8,000	
	8-port X.21 Adapter	2291		\$8,000	
	1-port ISDN PRI E1 Adapter	2292		\$7,500	
	1-port 155 Mbps ATM SMF Adapter	2293		\$10,000	
	1-port 155 Mbps High performance ATM MMF Adapter	2294		\$8,000	
	1-port 155 Mbps High performance ATM SMF Adapter	2295		\$10,000	
	Software Preload:				
	2216 Multiprotocol Access Services Version 1	5765-B87		\$4,000	
	Multiprotocol Access Services Version 2	5765-C90		\$6,000	
52	3172 NWAYS INTERCONNECT CONTROLLER				
	3172 Nways Interconnect Controller Model 3	003		\$9,970	
	Pentium 90-MHz upgrade	2855		\$5,990	
	Rack-Mount Kit	2500		\$230	
	OS/2 support feat: AMB memory expansion monitor/XGA adapter and keyboard	2700		\$2,860	
	OS/2 mouse with extension	2705		\$131	
	LAN and WAN Adapters (Quantity 1-4)				
	FDDI (limit 2)	2300		\$6,165	
	Token-Ring Auto LANStreamer	2235		\$1,060	
	EtherStreamer	2245		\$809	

52	3172 NWAYS INTERCONNECT CONTROLLER (cont.)			
	X.21 WAC	2900		\$1,150
	Second port per Adapter			
	RS-232 Artic portmaster (8 ports)	2930		\$3,235
	X.21 Artic portmaster (6 ports)	2940		\$3,285
	V.35 Artic portmaster (6 ports)	2950		\$3,600
	RS-422 Artic portmaster (8 ports)	2960		\$3,050
	LAN and WAN Adapters (Quantity 1-4)			
	155 Mbps ATM Adapter (1 port only)	2315		\$3,750
	Channel Adapters (Quantity 1-2)			
	ESCON - ICP supports 2	2801		\$9,500
	X.21 WAC Interface	2901		\$150
	V.35 WAC Interface	2911		\$1,150
	EIA 232 WAC Interface	2922		\$150
	Parallel Channel	2501		\$5,250
53	3172 INTERCONNECT CONTROLLER MODEL 390			
	Pentium 66MHz 4GB Disk 32MB Memory Microprocessor Complex	3172-390		withdrawn
	Rack-Mount Kit	2500		withdrawn
	V.35 Wide Area Connector	2910		withdrawn
	EIA 232 Wide Area Connector	2922		withdrawn
	96MB P390 Memory Expansion	2750		withdrawn
	Parallel Port Adapter	2751		withdrawn
	Pre-loaded NCP Server Software (VM/MVS)	3550		withdrawn
	Table-Top Features	2550		withdrawn
53	3174 ESTABLISHMENT CONTROLLER			
	3174 Desktop Establishment Controller Model 62R	62R		\$7,300
	3174 Rack-Mount Establishment Controller Model 23R	23R		\$14,580
	3174 Establishment Controller small footprint Model 95R	95R		\$4,995
	3174 Blade for the 8250 Hub			call
54	3174 FIXED CONFIGURABLE MODELS			
	Telecommunications/Token-Ring Model 90R	90R		\$5,900
	Telecommunications/NA Model 91R	91R		\$4,245
	Telecommunications/NA Model 95R	95R		\$4,995
	Additional Storage:			
	MB Memory Expansion	1012		withdrawn
	2MB Memory Expansion	1014		\$4,370
	4MB Memory Expansion	1016		\$6,550
	2nd diskette drive	1048		\$828
	20MB hard drive	1056		\$2,375
	Internal Port Attachments:			
	33-64 Port support	3100		\$4,865
	8-port ASC 11 adapter (AEA)	3020		\$2,855
	8-port coax multiplexer	3103		\$636
	32-port TTP multiplexer	3105		\$3,025
	Fiber optic MPX attach	3110		\$1,345
	LAN & WAN Adapters:			
	Token-Ring LAN	3044		\$4,045
	Ethernet LAN	3045		withdrawn
	Alternate Comm Adapter V2.4, V3.5 or X21	304X		\$1,265
	Concurrent Comm Adapter V2.4, V3.5 or X21	305X		\$2,450
	ISDN BRI Adapter	3055		withdrawn
54	3299 TERMINAL MULTIPLEXERS			
	3299 Terminal Multiplexer (8-coaxial) Model 002	002		\$1,010
	3299 Terminal Multiplexer (32-coaxial) Model 032	032		\$3,460
	3299 Terminal Multiplexer (32-coaxial) Model 32T	32T		\$3,250
54	3270 CONNECTION CARDS FOR COAX			
	Coax Adapter for AT Bus			withdrawn
	Coax Adapter for MCA Bus			withdrawn

55	3745/3746-9x0 FAMILY			
	3745 Communication Controller	900		call
	3746 Nways Controller Model 900	900		\$37,400
	3746 Nways Controller Model 950	950		\$37,400
56	ACF/NETWORK CONTROL PROGRAM			
	IBM ACF/NCP Version 7 Release 6	5648-063		no change
	IBM ACF/SSP Version 4 Release 6 for OS/390, MVS/ESA	5655-041		no change
	IBM ACF/SSP Version 4 Release 6 for VM/ESA	5654-009		no change
	IBM ACF/SSP Version 4 Release 6 for VSE/ESA	5686-064		no change
	IBM NTuneMON Version 2 Release 4	5648-141		no change
	NTuneNCP Tuning Feature (MLC) of NTuneMON	4002		no change
	NTuneNCP Tuning Feature (OTC) of NTuneMON	4004		no change
	NTuneNCP Tuning Feature (DSLO MLC) of NTuneMON	9534		\$146
	NTuneNCP Tuning Feature (DSLO OTC) of NTuneMON	9535		\$7,020
57	8235 DIAL-IN ACCESS TO LANs			
	DIALs Server for Token-Ring Model 021	021	42H4560	\$4,660
	DIALs Server for Ethernet Model 022	022	42H4570	\$2,899
	DIALs Server Token-Ring Base Unit Model 031	031	42H4590	\$4,199
	DIALs Server Ethernet Base Unit Model 032	032	42H4600	\$3,199
	Single V.34 Modem (U.S.)	5685	38H5575	\$449
	Single V.34 Modem (U.S.)	5575	38H5575	\$449
	Single Serial Card	5451	10H5451	\$109
	ISDN Adapter	4580	42H4580	\$699
	Release 4.5 Software Upgrade Models 001/002, 021/022, 051/052	8995	85H8995	no charge
	Release 4.5 Software Upgrade Models 011/012 and 031/032	8996	85H8996	no charge
57	8235 MODELS 51 & 52			
	8235 Token-Ring Model 051	051	55H8540	\$1,960
	8235 Ethernet Model 052	052	55H8570	\$1,699
	Memory Upgrade Model 001	6164		
	Memory Upgrade Model 002	6165		
	Memory Upgrade Models 011, 012, 021, 022	8997		
	Software Key for Powerburst 2-Port	5017		
	Software Key for Powerburst 8-Port	5018		
58	8235 MODEL I40			
	8235 Base Model I40	140	85H6484	\$11,239
	Token-Ring/Controller	5656	85H5656	\$845
	Ethernet/Controller	4026	85H4026	\$285
	8235 Single E1/PRI Adapter without CSU/DSU	4027	85H4027	\$4,695
	8235 Dual E1/PRI Adapter without CSU/DSU	4029	85H4029	\$6,050
	8235 Analogue Adapter (12 Modems)	4031	85H4031	\$6,399
	8235 Dual E1/PRI Adapter with channelized E1 support	8993	85H8993	not available in U.S.
	8235 Dual PRI/T1 Adapter with CSU/DSU	4034	85H4034	\$6,449
	R4.5 Software Upgrade	8995		
	Software Key for Powerburst Option	5019		
	8235 Single PRI/T1 Adapter with CSU/DSU	4525	85H4525	\$5,100
	8235 Quad T1 Adapter Analog with Software Selectable CSU/DSU	8991	85H8991	\$6,449
	8235 Dual T1/PRI Adapter with Software Selectable CSU/DSU	8992	85H8992	\$6,449
58	8235 DIAL-IN ACCESS TO LANs (DIALs) SOFTWARE RELEASE 4.5			
	8235 DIAL-In Access to LANs (DIALs) Software Release 4.5			no charge
59	5394 REMOTE CONTROL UNIT			
	5394 Remote Control Unit Model 01A	01A		\$3,615
	5394 Remote Control Unit Model 02A	02A		\$4,370
	5394 Remote Control Unit Model 01B	01B		\$4,545
	5394 Remote Control Unit Model 02B	02B		\$5,460

59	5494 REMOTE CONTROL UNIT				
	5494 Model EXT RCU (up to 28 twinaxial devices)	EXT			\$6,180
	Twinaxial Expansion Kit (up to 56 twinaxial devices)	1200	73G2213		\$3,500
	Token-Ring Adapter (up to 80 devices)	1100	92G8511		\$2,315
	Ethernet Adapter (up to 80 devices)	1500	92G8479		\$1,495
	Ethernet AUI Adapter Cable	1505	92G8482		\$80
	EIA RS-232D V.24/V.28 Modem Cable	1851	92F8016		in base price
	CCITT V.35 6-meter Cable	1853	92F8019		in base price
	CCITT X.21 6-meter Cable	1855	92F8018		in base price
	Frame Relay - Token-Ring Bridge	1150			in base price
	Memory expansion	2600			\$125
	Level 3.2 Functional Upgrade with set of 3.2 manuals	1700	41H7986		\$81
	Extra Cables:				
	EIA RS-232D V.24/V.28 Modem Cable	3050	92F7966		\$161
	CCITT V.35 6-meter Cable	3053	92F8019		\$165
	CCITT X.21 6-meter Cable	3055	92F8018		\$176
60	6299 HUB FOR MIDRANGE SYSTEMS				
	6299 100 Single-slot Chassis, 1 available module slot	100	31H4982		\$360
	6299 200 Dual-slot Chassis, 2 available module slot	200	31H4983		\$385
	6299 900 Nine-slot Rack, 9 available module slot	900	31H4984		\$825
	UTP Distribution Block RJ-45 4/5	2042	31H5002		\$215
	Host port Multiplexor Module	5100			\$1,150
	Device Communication Expansion Module RJ-45 1/2	1141	31H4976		\$575
	8-port Twinaxial I/O Panel	3000	31H4986		\$165
	Redundant, load-sharing Power Supply	3001	31H4987		\$465
	Flush Wall Mounting Kit	2052	31H4989		\$33
60	7299 EXPRESS HUB FOR AS/400				
	7299 Express Hub RJ-45 Model 2EX	2EX	05J3360		\$1,295
	7300 Express Hub RJ-45 Model 2FX	2FX	05J3370		\$1,395
	7299 Express Hub RJ-45 Model 1PA	1PA	05J3380		\$435
	7300 Express Hub RJ-11 Model 2PA	2PA	05J3390		\$560
60	5308 ASCII-TO-5250 CONNECTION				
	5308-002 2-port ASCII to 5250	002	05J2220		\$1,395
	5308-007 7-port ASCII to 5250	007	05J2240		\$1,770
	Upgrade 2-port to 7-port (plant install only)	2228	05J2228		\$499
	UTP Balun, RJ-45 (plant install only)	5087	31H5087		\$37
	Data connector cable (plant install only)	1043	60G1043		\$58
61	OS/2 WARP SERVER				
	OS/2 Warp Server V4.0 Base		5622-851		call
61	COMMUNICATIONS SERVER				
	Communications Server for OS/2 Warp, Program Package		5622-878		call
	Communications Server for OS/2 Warp, Upgrade Package		5622-878		call
62	OS/2 WARP 4				
	OS/2 Warp 4		5639-A29		call
62	TCP/IP FOR MVS AND VM				
	TCP/IP MVS Version 3 Release 2		5655-HAL		call
	TCP/IP VM Version 1 Release 4		5735-FAL		call
63	eNETWORK COMMUNICATIONS SERVER FOR WINDOWS NT				
	eNetwork Communications Server for Windows NT		5765-B53		call
64	COMMUNICATIONS SERVER FOR AIX				
	Communications Server for AIX		5765-652		call
64	SNA CLIENT ACCESS FOR AIX				
	SNA Client Access for AIX		5696-944		call

65	PERSONAL COMMUNICATIONS TOOLKIT FOR VISUAL BASIC				
	Personal Communications Toolkit for Visual Basic		5622-976	call	
	The PCOM family consists of:				
	Personal Communications AS/400 for OS/2 (diskette)		5622-980	call	
	Personal Communications AS/400 for Windows 95 (diskette)		5622-970	call	
	Personal Communications AS/400 for Windows (diskette)		5622-978	call	
	Personal Communications AS/400 and 3270 for OS/2 (diskette)		5622-981	call	
	Personal Communications AS/400 and 3270 for Windows 95 (diskette)		5622-902	call	
	Personal Communications AS/400 and 3270 for Windows (diskette)		5622-982	call	
	Personal Communications AS/400 for OS/2, Win 3.1, Win 95, Win NT (CD ROM)		5696-971	call	
	Personal Communications AS/400 and 3270 for OS/2, Win 3.1, Win 95, Win NT (CD ROM)		5622-972	call	
65	eNETWORK COMMUNICATIONS SUITE FOR WINDOWS 3.1, WINDOWS 95, AND WINDOWS NT				
	eNetwork Communications Suite for Windows		5765	call	
66	COMMUNICATIONS SERVER FOR MVS/ESA				
	Communications Server for MVS/ESA		5655-A29	call	
66	ACF/VTAM				
	ACF/VTAM V4 for MVS/ESA		5695-117	call	
	ACF/VTAM V4 for VM/ESA		5654-010	call	
	ACF/VTAM V4 for VSE/ESA		5686-065	call	
67	TELEPROCESSING NETWORK SIMULATOR				
	TPNSV.3		5688-121	call	
67	NTuneMON AND NTuneNCP				
	IBM NTuneMON Version 2 Release 4	5648-141		no change	
	NTuneNCP Tuning Feature (MLC) of NTuneMON	4002		no change	
	NTuneNCP Tuning Feature (OTC) of NTuneMON	4004		no change	
68	NWAYS WORKGROUP MANAGER AND WORKGROUP REMOTE MONITOR FOR WINDOWS NT				
	Nways Workgroup Manager for Windows NT		4019881	\$2,795	
	Nways Workgroup Remote Monitor for Windows NT		4019893	\$1,995	
68	LAN NETWORK MANAGER FOR OS/2				
	LAN Network Manager for OS/2 Tier 1		03H3519	call	
	LAN Network Manager for OS/2 Tier 2		03H3523	call	
	LAN Network Manager for OS/2 Tier 3		03H3527	call	
69	NWAYS MANAGERS FOR AIX				
	Nways Manager for AIX, CD-ROM		4304028	call	
	Nways Campus Manager LAN, license key only		4304040	\$11,000	
	Nways Campus Manager ATM, license key only		4304041	\$8,000	
	Nways Campus Manager ReMON, license key only		4304042	\$8,000	
	Nways Traffic Monitor, license key only		4304043	\$8,000	
69	NWAYS CAMPUS MANAGERS FOR HP-UX				
	Nways Campus Manager Suite for HP-UX Version 2		5697-B10	\$22,000	
	Nways Campus Manager LAN for HP-UX Version 2		5697-B11	\$11,000	
	Nways Campus Manager ATM for HP-UX Version 2		5697-B12	\$6,000	
	Nways Campus Manager ReMon for HP-UX Version 2		5697-B18	\$5,000	
	Nways Campus Manager ReMon Advanced for HP-UX Version 2		5697-B20	\$8,000	
71	NWAYS ENTERPRISE MANAGER				
	Nways Enterprise Manager		5777-AAK	\$31,500	

72	NETVIEW FILE TRANSFER PROGRAMS				
	NetView FTP MVS V2		5685-108	\$31,500	
	NetView FTP VM		5684-048	\$31,500	
	NetView FTP VSE		5686-013	\$31,500	
72	ADSTAR DISTRIBUTED STORAGE MANAGER FOR OS/2				
	ADSTAR Distributed Storage Manager for AIX		5639-A08	call	
75-80	TME 10			call	
81	NETFINITY MANAGER AND SERVICE VERSION 5.0				
	NetFinity Manager and Service V5.0		5639-C27	call	
	NetFinity Services V5.0		5639-C75	call	
82	INTERNET CONNECTION CORPORATE KIT				
	Corporate Kit for Windows 3.1 and Windows 95		5697-AST	call	
82	FIREWALL FOR AIX				
	Firewall for AIX Program Package, small, 56-bit DES & CDMF		5765-C16	call	
	Firewall for AIX Program Package, medium, 56-bit DES & CDMF		5675-C16	call	
	Firewall for AIX Program Package, unlimited, 56-bit DES & CDMF		5675-C16	call	
	Firewall for AIX Program Package, small, CDMF		5675-C16	call	
	Firewall for AIX Program Package, medium, CDMF		5675-C16	call	
	Firewall for AIX Program Package, unlimited, CDMF		5675-C16	call	