



This configurator, intended as a guide and reference for system planners, provides information about the attachment of current local and remote input/output (I/O) equipment used in System/370 Models 115, 125, 135, 145, 155, 158, 165, 168, and 195.

It is assumed that the user has a basic knowledge of System/370, such as that given in the *IBM System/370 System Summary*, GA22-7001.

Information about both locally and remotely attached equipment is presented in this configurator. The presentations are separated for clarity, and both are arranged in two ways: by equipment category (such as direct access devices, display devices, and printers) and by machine numbers (such as 2314, 3330, and 3420).

Systems Reference Library (SRL) and System Library (SL) publications about individual items of equipment are described in the *IBM System/370 Bibliography*, GC20-0001.

Ninth Edition (December 1975)

This edition obsoletes GA22-7002-7. The major changes are the inclusion of information about: the unit control word assignment, the preferred channel for I/O unit attachment, System/3, System/32, the 3340 Disk Storage, the 3344 Direct Access Storage, the 3350 Direct Access Storage, the 3800 Printing Subsystem, and the 3890 Document Processor; and the deletion of information about: the 2301 Drum Storage, the 2303 Drum Storage, the 2321 Data Cell Drive, the 2702 Transmission Control, the 2703 Transmission Control, the 2820 Storage Control, the 2844 Auxiliary Storage Control, and the 3670 Brokerage System. Significant changes are indicated by a vertical line to the left of each change. Before using this configurator, consult the *IBM System/370 Bibliography*, GC20-0001, to verify that no later edition is available.

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REMOTE EQUIPMENT CATEGORIES

Audio Response Devices

7770 Audio Response Unit Model 3†

Control Units for Display Devices

2845 Display Control
2848 Display Control Models 1, 2, and 3
3271 Control Unit Models 1, 2, 11, and 12

Display Devices

2260 Display Station Models 1 and 2
2265 Display Station Model 1
3275 Display Station Models 1, 2, 11, and 12
3277 Display Station Models 1 and 2

Data Terminal Devices

1001 Data Transmission Terminal
1013 Card Transmission Terminal
2740 Communication Terminal Models 1 and 2
2741 Communication Terminal
2780 Data Transmission Terminal Models 1-4
3735 Programmable Buffered Terminal
3767 Communication Terminal
3780 Data Communication Terminal
5275 Direct Numerical Control Station

Data Transmission Multiplexers

2701 Data Adapter Unit†
3704 Communications Controller†
3705 Communications Controller†

† A unit locally attached to a System/370 CPU, used to attach various terminals to System/370.

Modulator/Demodulator Devices

2711 Line Adapter Unit
3872 Modem
3874 Modem
3875 Modem

Systems

1030 Data Collection System
1050 Data Communication System
1060 Data Communication System
1070 Process Communication System
1130 Computing System
1800 Data Acquisition and Control System
2770 Data Communication System
2790 Data Communication System
3270 Information Display System
3600 Finance Communication System
3650 Retail Store System
3660 Supermarket System
3740 Data Entry System
3770 Data Communication System
3790 Communication System
System/3 Models 6, 8, 10, 12, and 15
System/7
System/32
System/360 Models 20-195
System/370 Models 115-195

ATTACHMENT DATA FOR REMOTE I/O DEVICES AND SYSTEMS (TERMINALS)

Terminal			Remote Attaching Unit	Local Attaching Unit	Local System/370 Model								Block Multiplexer Channel UCV Assignment	
No.	Models	Name			115	125	135	145	155	158	165	168		195
1001	1	Data Transmission Terminal	-	7770	-	-	m	m	m	m	-	m	-	
1013*	1	Card Transmission Terminal	-	2701	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
1030	-	Data Collection System	1031#	2701	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
				3704, 3705 (a)	m	m	m	m	m	m	m	m	-	-
				3705 (b)	-	-	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
					i	i	-	-	-	-	-	-	-	
1050	-	Data Communication System	1051#	2701	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
				3704, 3705 (a)	m	m	m	m	m	m	m	m	m	-
				3705 (b)	-	-	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
					i	i	-	-	-	-	-	-		
1060	-	Data Communication System	1061#	2701	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
				3704, 3705 (a)	m	m	m	m	m	m	m	m	m	-
				3705 (b)	-	-	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
					i	i	-	-	-	-	-	-		
1070	-	Process Communication System	1071#	2701	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
1092*	1,2	Programmed Keyboard	-	7770	-	-	m	m	m	m	-	m	-	
1093*	1,2	Programmed Keyboard	-											

ATTACHMENT DATA FOR REMOTE I/O DEVICES AND SYSTEMS (TERMINALS)—continued

Terminal			Remote Attaching Unit	Local Attaching Unit ⁺	Local System/370 Model						Block Multiplexer Channel UCW Assignment			
No.	Models	Name			115	125	135	145	155	158		165	168	195
1130	—	Computing System	1131#	2701	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
1800	—	Data Acquisition and Control System	Communication Adapter	3704, 3705 3705 (b)	m	m	m	m	m	m	m	m	m	—
				→	i	i	i	—	—	—	—	—	—	—
2260	1	Display Station	2848-3	2701	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
	2	Display Station	2848-1, -2	3704, 3705	m	m	m	m	m	m	m	m	m	—
2265	1	Display Station	2845	→	—	—	i	—	—	—	—	—	—	—
2740	1.2	Communication Terminal	—	2701	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
2741	1	Communication Terminal	—	3704, 3705 3705 (b)	m	m	m	m	m	m	m	m	m	—
				→	i	i	i	—	—	—	—	—	—	—
2770	—	Data Communication System	2772#	2701	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
2780	1.4	Data Transmission Terminal	—	3704, 3705	m	m	m	m	m	m	m	m	m	—
2790	—	Data Communication System	2715-2#	3705 (b)	—	—	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
3270	—	Information Display System	3271-1, -2#	→	i	i	i	—	—	—	—	—	—	—
3275	1.2	Display Station	—	3704, 3705	m	m	m	m	m	m	m	m	m	—
3270	—	Information Display System	3271-11, 12#	3705 (b)	—	—	bms	bms	bm	bm	bmsx	bmsx	—	BU
3275	11, 12	Display Station	—	→	—	—	i	—	—	—	—	—	—	—
3600	—	Finance Communication System	3601#	3704, 3705	—	m	m	m	m	m	m	m	m	—
3614	1.2	Consumer Transaction Facility	—	3705 (b)	—	—	bms	bms	bm	bm	bmsx	bmsx	—	BU
3650	—	Retail Store System	3651-50#	3704, 3705	—	m	m	m	m	m	m	m	—	—
3660	—	Supermarket System	3651-60#	3705 (b)	—	—	bmsx	bms	bm	bm	bmsx	bmsx	—	BU
3735	1	Programmable Buffered Terminal	—	2701	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
3740	—	Data Entry System	3741-2, 3747#	3704, 3705 3705 (b)	—	—	m	m	m	m	m	m	m	—
				→	i	i	i	—	—	—	—	—	—	—
3767	1.2	Communication Terminal	—	3704, 3705 3705 (b)	m	m	m	m	m	m	m	m	m	—
				→	i	i	i	—	—	—	—	—	—	—
3770	—	Data Communication System	—	3704, 3705 3705 (b)	m	m	m	m	m	m	m	m	m	—
				→	i	i	i	—	—	—	—	—	—	—
3780	1	Data Communication Terminal	—	2701	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
				3704, 3705 3705 (b)	m	m	m	m	m	m	m	m	m	—
				→	i	i	i	—	—	—	—	—	—	—
3790	—	Communication System	3791#	3704, 3705 3705 (b)	—	m	m	m	m	m	m	m	—	—
				→	i	i	i	—	—	—	—	—	—	—
5275	1	Direct Numerical Control Station	—	2701	m	m	bms	bms	bm	bm	bmsx	bmsx	—	BU
				3705 (a)	—	—	bms	bms	bm	bm	bmsx	bmsx	—	BU
				→	i	i	i	—	—	—	—	—	—	—
—	—	System/7	5010#	2701	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
				3704, 3705 3705 (b)	m	m	m	m	m	m	m	m	m	—
				→	i	i	i	—	—	—	—	—	—	—
—	—	System/32	5320#	2701	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
				3704, 3705 3705 (b)	m	m	m	m	m	m	m	m	m	—
				→	i	i	i	—	—	—	—	—	—	—
—	6	System/3	5406#	2701	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
—	8	System/3	5408#	3704, 3705	m	m	m	m	m	m	m	m	m	—
—	10	System/3	5410#	3705 (b)	—	—	bms	bms	bm	bm	bmsx	bmsx	—	BU
—	12	System/3	5412#	→	i	i	i	—	—	—	—	—	—	—
—	15	System/3	5415#	→	i	i	i	—	—	—	—	—	—	—
—	20	System/360	—	2701	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU
—	25	System/360	2701, 3704, 3705, i	3704, 3705	m	m	m	m	m	m	m	m	m	—
—	22-195	System/360	2701, 3704, 3705	3705 (b)	—	—	bms	bms	bm	bm	bmsx	bmsx	—	BU
—	115-135	System/370	2701, 3704, 3705, i	→	i	i	i	—	—	—	—	—	—	—
—	145-195	System/370	2701, 3704, 3705	→	i	i	i	—	—	—	—	—	—	—

Symbols

- i Integrated communications adapter.
- b Block multiplexer channel (housed within a 2880 Block Multiplexer Channel for Models 165-195).
- m Byte multiplexer channel (housed within a 2870 Multiplexer Channel for Models 165-195).
- s Selector channel (housed within a 2860 Selector Channel for Models 165-195).
- x Selector subchannel (special feature for 2870 Multiplexer Channel).
- bmsx Underline denotes preferred channel for attachment.
- BU Block unshared mode unit control word (UCW) assignment recommended.

- # Part of the remote system.
- + The local attaching units are:
2701 Data Adapter Unit
3704 Communications Controller
3705 Communications Controller
7770 Audio Response Unit Model 3
- Not applicable.
- * May not be available.

Notes

- (a) 3705 equipped with a channel adapter type 1.
- (b) 3705 equipped with a channel adapter type 2 or type 3 (channel adapters type 2 and type 3 are mutually exclusive).
- (c) Attaches to Model 155 II or 165 II but not to Model 155 or 165.
- (d) 3767 equipped with Start/Stop.
- (e) 3770 equipped with SDLC/BSC Switch Control.

→ See the information in the "Local System/370 Model" columns.

LOCAL EQUIPMENT CATEGORIES

Audio Communications Devices

7770 Audio Response Unit Model 3

Control Units

2314 Storage Control Models A1 and B1
2715 Transmission Control Unit Model 1
2803 Tape Control Models 1, 2, and 3
2804 Tape Control Models 1, 2, and 3
2821 Control Unit Models 1-3, 5, and 6
2822 Paper Tape Reader Control Model 1
2826 Paper Tape Control Model 1
2835 Storage Control Models 1 and 2
2840 Display Control Model 2
2841 Storage Control Model 1
2848 Display Control Models 1, 2, 3, 21, and 22
3272 Control Unit Models 1 and 2
3803 Tape Control Models 1 and 2
3811 Control Unit Model 1
3830 Storage Control Models 1, 2, and 3

Data Transmission Multiplexers.

2701 Data Adapter Unit Model 1
3704 Communications Controller Models A1-A4
3705 Communications Controller Models A1, A2
B1-B4, C1-C6, D1-D8

Direct Access Devices

2305 Fixed Head Storage Models 1 and 2
2311 Disk Storage Drive Model 1
2312 Disk Storage Model A1
2313 Disk Storage Model A1
2314 A-Series and B-series Direct Access Storage Facility
2318 Disk Storage Model A1
2319 Disk Storage Models A1, A2, A3, B1, and B2
3330 Disk Storage Models 1, 2, and 11
3333 Disk Storage and Control Models 1 and 11
3340 Disk Storage and Control Model A2
3340 Disk Storage Models B1 and B2
3344 Direct Access Storage Models B2 and B2F
3350 Direct Access Storage Models A2, A2F, B2, and B2F

Diskette Input/Output Devices

3540 Diskette Input/Output Unit Models B1 and B2

Display Devices

2250 Display Unit Models 1 and 3
2260 Display Station Models 1 and 2
3277 Display Station Models 1 and 2

Magnetic Character Readers

1255 Magnetic Character Reader Models 1-3
1419 Magnetic Character Reader Model 1
3890 Document Processor Models A1-A6, B1-B6

Magnetic Tape Devices

2401 Magnetic Tape Unit Models 1-6 and 8
2415 Magnetic Tape Unit and Control Models 1-6
2420 Magnetic Tape Unit Models 5 and 7
2816 Switching Unit Model 1
3410 Magnetic Tape Unit Models 1, 2, and 3
3411 Magnetic Tape Unit and Control Models 1, 2, and 3
3420 Magnetic Tape Unit Models 3-8

Magnetic Tape Cartridge Devices

2495 Tape Cartridge Reader

Optical Readers

1287 Optical Reader Models 1-5
1288 Optical Page Reader Model 1
3881 Optical Mark Reader Model 1
3886 Optical Character Reader Model 1

Printer-Keyboards

1052 Printer-Keyboard Model 7
3210 Console Printer-Keyboard Models 1 and 2
3215 Console Printer-Keyboard Model 1

Printers

1053 Printer Model 4
1403 Printer Models 2, 7, and N1
1443 Printer Model N1
3203 Printer Models 1 and 2
3211 Printer Model 1
3213 Console Printer
3800 Printing Subsystem
5203 Printer Model 3
5213 Printer Model 1

Punched Card Devices

1442 Card Read Punch Model N1
1442 Card Punch Model N2
2501 Card Reader Models B1 and B2
2520 Card Read Punch Model B1
2520 Card Punch Models B2 and B3
2540 Card Read Punch Model 1
2560 Multi-function Card Machine Models A1 and A2
2596 Card Read Punch Model 1
3504 Card Reader Models A1 and A2
3505 Card Reader Models B1 and B2
3525 Card Punch Models P1, P2, and P3
5425 Multi-function Card Unit Models A1 and A2

Punched Tape Devices

1017 Paper Tape Reader Models 1 and 2
1018 Paper Tape Punch Model 1
2671 Paper Tape Reader Model 1

Systems

2790 Data Communication System
3270 Information Display System
3850 Mass Storage System

ATTACHMENT DATA FOR LOCAL I/O DEVICES AND CONTROL UNITS

Input/Output (I/O) Device or Control Unit			Attaches to	Means of Attachment to System/370 Model									Block Multiplexer Channel UCW Assignment	No. of I/O Devices or Lines Attachable
No.	Models	Name		115	125	135	145	155	158	165	168	195		
1017	1, 2	Paper Tape Reader	2826-1	m	m	m	m	m	m	-	-	-	-	2
1018	1	Paper Tape Punch	2826-1	m	m	m	m	m	m	-	-	-	-	2
1052	7	Printer-Keyboard	2150 Console	-	-	-	-	bm	bm	bmsx	bmsx	bmsx	-	1 per 2150
1053	4	Printer	2848-1,-2,-3,-21,-22	m	m	ms	ms	bm	bm	bmsx	bmsx	bmsx	S	1 per 2848
1255	1-3	Magnetic Character Reader	S/360/370 Adapter	m	m	ms	ms	bm	bm	-	-	-	-	1 per system
1287	1-4	Optical Reader	→	-	-	bms	bms	bm	bm	mx	mx	-	BU	8 per system
	5	Optical Reader	→	m	m	bms	bms	bm	bm	mx	mx	-	BU	8 per system
1288	1	Optical Page Reader	→	-	-	bms	bms	bm	bm	mx	mx	-	BU	8 per system
1403	2, 7, N1	Printer	{ 2821-1,-2,-3,-5	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU	1 per system
			→	-	i	i	-	-	-	-	-	-	-	-
1419	1	Magnetic Character Reader	{ S/360 Adapter (#7720)	m	m	ms	ms	bm	bm	msx	msx	-	-	-
			S/360 Adapter (#7730)	m	m	m	m	m	m	m	m	-	-	-
1442	N1	Card Read Punch	→	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU	1
	N2	Card Punch	→	m	m	bms	bms	bm	bm	bmsx	bmsx	-	BU	1
1443	N1	Printer	→	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU	1
2250*	1	Display Unit	→	m	m	ms	ms	bm	bm	bsx	bsx	bsx	S	4 per 2840
	3	Display Unit	2840-2	m	m	bms	ms	bm	bm	bsx	bsx	bsx	S	8 per 2848
2260	1	Display Station	2848-3	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	S	1
	2	Display Station	2848-1,-2,-21,-22	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	S	2 per 2835
2305	1	Fixed Head Storage	2835-1	-	-	-	-	-	-	b	b	b	BU	2 per 2835
	2	Fixed Head Storage	2835-2	-	-	-	b	b	b	b	b	b	BU	2 per 2835
2311	1	Disk Storage Drive	2841-1	-	-	b ₂	b ₂	b	b	b ₂ x	b ₂ x	b ₂	S	8 per 2841
2312	A1	Disk Storage	2314-A1, 2319-A1	See 2314 A-Series and 2319-A1									-	h o
2313*	A1	Disk Storage	2314-A1, 2319-A1	See 2319-A1 (for Model 145 GE-1 only) and 2314 A-Series									-	h o
2314	A-Series	Direct Access Storage Facility	→	-	-	b ₂	b ₂	b	b	b ₂	b ₂	b ₂	S	9 drives
	B-Series	Direct Access Storage Facility	→	-	-	b ₂	b ₂	b	b	b ₂	b ₂	b ₂	S	9 drives
2314	A1*	Storage Control	→	See 2314 A-Series									-	h
	B1	Storage Control	→	See 2314 B-Series									-	i
2318	A1	Disk Storage	2314-A1, 2319-A1	See 2314 A-Series and 2319-A1									-	h o
2319	A1	Disk Storage	→	-	-	i	i	-	-	-	-	-	-	o
	A2	Disk Storage	2319-A1	See 2319-A1 (for Model 145 GE-1 only)									-	o
	A3	Disk Storage	2319-A1	See 2319-A1 (for Model 135 only)									-	o
	B1	Disk Storage	2314-B1	See 2314 B-Series									-	i
	B2	Disk Storage	2314-B1 (via 2319-B1)	See 2314 B-Series									-	i
2401	1-3	Magnetic Tape Unit	2803/04-1,-2	-	-	bms	b ₂	b	b	b ₂ x	b ₂ x	b ₂ x	S	1
	4,5	Magnetic Tape Unit	2803/04-2	-	-	bms	b ₂	b	b	b ₂ x	b ₂ x	b ₂ x	S	1
	6	Magnetic Tape Unit	2803/04-2	-	-	b ₂	b ₂	b	b	b ₂ x	b ₂ x	b ₂ x	S	1
	8	Magnetic Tape Unit	2803/04-3	-	-	bms	b ₂	b	b	b ₂ x	b ₂ x	b ₂ x	S	1
2415	1-6	Magnetic Tape Unit and Control	→	-	-	bms	bms	bm	bm	-	-	-	S	1
2420*	5	Magnetic Tape Unit	2803-2	-	-	b ₂	b ₂	b	b	b ₂ x	b ₂	b ₂ x	S	1
	7	Magnetic Tape Unit	2803-2	-	-	b ₂	b ₂	b	b	b ₂	b ₂	b ₂	S	1
2495	1	Tape Cartridge Reader	→	m	m	m	m	m	m	m	m	-	-	1
2501	B1, B2	Card Reader	→	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU	1
2520*	B1	Card Read Punch	→	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU	1
	B2, B3	Card Punch	→	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU	1
2540	1	Card Read Punch	2821-1,-5,-6	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU	1
2560	A1	Multi-function Card Machine	→	i	i	-	-	-	-	-	-	-	-	1 per system
	A2	Multi-function Card Machine	→	i	i	-	-	-	-	-	-	-	-	1 per system
2596	1	Card Read Punch	→	m	m	bms	ms	bm	bm	bmsx	bmsx	bmsx	-	1
2671	1	Paper Tape Reader	2822-1	m	m	bms	bm	bm	bm	-	-	-	-	1 per 2822
2701	1	Data Adapter Unit	→	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU	4 lines max
2715*	1	Transmission Control Unit	→	m	m	m	m	m	m	m	m	m	-	1
2790	-	Data Communication System	→	See 2715									-	1

Input/Output (I/O) Device or Control Unit			Attaches to	Means of Attachment to System/370 Model							Block Multiplexer Channel UCW Assignment	No. of I/O Devices or Lines Attachable			
No.	Models	Name		115	125	135	145	155	158	165			168	195	
2803	1,2,3	Tape Control (m)	→	See 2401 and 2420								(D)			
2804*	1,2,3	Tape Control (m)	→	See 2401								(N)			
2816*	1	Switching Unit	→	2803-1,-2								(L)			
2821	1-3,5,6	Control Unit	→	See 1403 and 2540								(V)			
2822	1	Paper Tape Reader Control	→	See 2671								1 2671			
2826	1	Paper Tape Control	→	See 1017 and 1018								(Z)			
2835	1,2	Storage Control	→	See 2305								2 2305's (D)			
2840*	2	Display Control	→	See 2250-3								4 2250-3's			
2841	1	Storage Control	→	See 2311								(W)			
2848	1-3,21,22	Display Control	→	See 1053 and 2260								(X)			
3203	1,2	Printer	→	i	i								1 per system		
3210	1	Console Printer-Keyboard	→			i	i	i					(Y)		
	2	Console Printer-Keyboard	→					bm					(Y)		
3211	1	Printer	→	3811-1		bms	bms	bm	bm	bmsx	bmsx	bmsx	BU	1 per 3811	
3213	1	Console Printer	→					m						1 per system	
3215	1	Console Printer-Keyboard	→			i	i	i						(Y)	
3270	-	Information Display System	→	See 3272								(V)			
3272	1,2	Control Unit	→	m	m	bms	bms	bm	bm (D)	bmsx	bmsx	bmsx	BS**	(V)	
3277	1,2	Display Station	→	See 3270								(V)			
3330	1,2	Disk Storage	→	See 3333								(V)			
			→	3333-1,-11											
			→	3830-1											
	11	Disk Storage	→	3333-1,-11		bs	bs	b	b	b	b	b	BU	4 per 3830-1	
3333	1	Disk Storage and Control	→	3830-2		bs	bs	b	b	b	b	b	BU	(A)	
			→	3830-3				b (D)	b	b (D)	b		BU	(C)	
	11	Disk Storage and Control	→	3830-2		bs	bs	b (D)	b	b (D)	b		BU	(A)	
			→	3830-3				b (D)	b	b (D)	b		BU	(C)	
3340	A2	Disk Storage	→	3830-2		bs	bs	b (D)	b	b (D)	b		BU	(B)	
	B1,B2	Disk Storage	→	3340-A2		See 3340-A2									
3344	B2,B2F	Direct Access Storage	→	3340-A2		See 3340-A2									
3350	A2,A2F	Direct Access Storage	→	3830-2		bs	bs	b (D)	b	b (D)	b			(B)	
	B2,B2F	Direct Access Storage	→	3350-A2,A2F		See 3350-A2,A2F									
3410	1	Magnetic Tape Unit	→	3411-1		bms	bms	b	b				S	3 per 3411-1	
	2	Magnetic Tape Unit	→	3411-2		bms	bms	b	b				S	5 per 3411-2	
	3	Magnetic Tape Unit	→	3411-3		bms	bms	b	b				S	5 per 3411-3	
3411	1,2,3	Magnetic Tape Unit and Control	→	i	i	bms	bms	b	b				S	(D)	
3420	3	Magnetic Tape Unit	→	3803-1,-2		bs	bs	b	b	bsx	bsx	bsx	S	(D)	
	5	Magnetic Tape Unit	→	3803-1,-2		bs	bs	b	b	bs	bs	bs	S	(D)	
	7	Magnetic Tape Unit	→	3803-1,-2		bs	bs	b	b	bs	bs	bs	S	(D)	
	4,6,8	Magnetic Tape Unit	→	3803-2		s	s	b	b	bs	bs	bs	S	(D)	
3504	A1,A2	Card Reader	→			i								1 per system	
3505	B1,B2	Card Reader	→	m	m	bms	bms	bm	bm	bmsx	bmsx	bmsx	BU	(D)	
3525	P1,P2,P3	Card Punch	→	3505		m	m	bms	bms	bm	bm	bmsx	bmsx	BU	(D)
			→			i								1 per system	
3540	B1,B2	Diskette Input/Output Unit	→	m	m	bms	bms	bm (D)	bm	bms (D)	bms			(D)	
3704	A1-A4	Communications Controller	→	Chan Adptr Type 1		m	m	m	m	m	m	m		32 lines	
3705	A1,A2,B1-B4,C1-C6, D1-D8	Communications Controller	→	Chan Adptr Type 1 or Type 3 (D)		m	m	m	m	m	m	m		352 lines	
3800	-	Printing Subsystem	→					bms	bm (D)	bm	bmsx (D)	bmsx (D)		(D)	
3803	1,2	Tape Control	→	See 3420								(D)			
3811	1	Control Unit	→	See 3211								1 3211			
3830	1*,2	Storage Control	→	See 3330, 3333, 3340, and 3350								(A)			
3830	3*	Storage Control	→	See 3333 and 3851								(C)			
3850	-	Mass Storage System	→	See 3851								(C)			
3851	A1-A4, B1-B4	Mass Storage Facility	→	3830-3				b	b (D)	b	b (D)	b	BU	(C)	
			→					bm	bm (D)	bm	bm (D)	bm	BU	(C)	
3881	1	Optical Mark Reader	→	m	m	m	m	m	m	m	m	m		(D)	
3886	1	Optical Character Reader	→	m	m	bms	bms	bms (D)	bms	bmsx (D)	bmsx		BU	(D)	
3890	A1-A6, B1-B6	Document Processor	→	m	m	bm	bm	bm (D)	bm	bm (D)	bm		BU	1 per system	
5203	3	Printer	→	i										1 per system	
5213	1	Printer	→	i	i									1 per system	
5425	A1,A2	Multi-function Card Unit	→	i (D)	i									1 per system	
7770	3	Audio Response Unit	→	m	m	m	m	m	m	m	m	m		48 lines	

Symbols

- i Integrated adapter.
- b Block multiplexer channel (housed within a 2880 Block Multiplexer Channel for Models 165-195).
- m Byte multiplexer channel (housed within a 2870 Multiplexer Channel for Models 165-195).
- s Selector channel (housed within a 2860 Selector Channel for Models 165-195).
- x Selector subchannel (special feature for a 2870 Multiplexer Channel).
- underline denotes preferred channel for attachment
- BS Block shared mode unit control word (UCW) assignment recommended.
- BU Block unshared mode UCW assignment recommended.

- S Selector mode UCW assignment recommended. See the information in the "Means of Attachment" columns.
- Not applicable.
- * May not be available.
- ** Block shared mode is not available for the 3272 on the channels of the Model 155, Model 158 (3158 only), or on the 2880 Block Multiplexer Channel. Block unshared mode is not recommended. Selector mode should be used. When more than 16 drives attach to a 3272 Control Unit, multiple shared UCWs are required for the Models 155 and 158 (3158 only).

LOCAL EQUIPMENT NOTES (CIRCLED LETTERS)

- a** The 3330 and 3333 Models 1 and 11 each have two disk drives, and the 3330 Model 2 has one. In general, a 3333, either model, can attach as many as three 3330s, any model, thus allowing up to eight drives per 3333. One or two 3333s can attach to a 3830-2, a Model 135 integrated file adapter, a Model 145 integrated storage control (ISC), or the Model 158 or 168 ISCs. The 32-drive expansion feature provides for attachment of one or two additional 3333s (with associated 3330s) to a 3830-2, or a Model 145, 158, or 168 ISC. A 3333/3340 intermix feature permits attachment of both 3333s and 3340-A2s.
- The Model 125 direct disk attachment attaches one 3333 Model 1 which in turn can attach one 3330 Model 1 or 2, thus permitting up to four drives.
- b** The 3340-A2 and -B2 each have two disk drives; the 3340-B1 has one. The 3344-B2 and -B2F each have two disk drives. In general, a 3340-A2 can attach a total of three 3340-B1s and/or -B2s and, in certain configurations, 3344-B2s and/or -B2Fs, for a maximum of eight drives per string. One or two 3340-A2s can be attached to a 3830 Storage Control Model 2, a Model 135 integrated file adapter (IFA), a Model 145 integrated storage control (ISC), or to each of the two paths of the ISCs of a Model 158 or 168. On a Model 135 IFA, the first of the two possible strings may contain up to three 3340 and/or 3344 B-units in any combination. The second string may contain only the 3340 units. As many as four 3340-A2s with the associated 3340 B-units (maximum of 32 drives) or four 3340-A2s with 3340 and 3344 B-units, which together use a maximum of 64 logical device addresses, can be attached to a 3830 Model 2 or to each of the two paths of the ISCs of a Model 158 or 168. 3344 B-units may be used in only the first and the third of the four possible strings. The 3333/3340 intermix feature permits attachment of the 3333/3330 strings and the 3340-A2, -B1, -B2 strings but does not include the 3344s.
- The 3115-0 Processing Unit models attach one 3340-A2 and one 3340-B1 or -B2. The 3115-2 and 3125-0 Processing Unit models attach one 3340-A2 and as many as three -B1 and/or -B2 models for a maximum of eight drives. Two 3340-A2s, with as many as three -B1s and/or -B2s for a maximum of eight drives for each 3340-A2, can attach to the 3125-2. The 3344-B2 and -B2F are not supported on the Models 115 and 125.
- c** The 3330 and 3333 Models 1 and 11 have two disk drives, and the 3330 Model 2 has one. One 3333 can attach up to three 3330s for a maximum of eight drives per 3333. Up to four 3333s can attach to a 3830-3 or to each of the two paths of the integrated storage controls of a Model 158 or 168 with the staging adapter feature installed, for a maximum of 32 drives. For 3330 Models 1 and/or 2, 16 of these drives are available as staging drives. For 3330 Model 11, 8 are available as staging drives.
- d** No special restrictions; depends on number of available system channel control unit positions and, for some units, on channel loading considerations.
- e** Not attachable if the system has a byte multiplexer channel.
- f** Attaches to Model 155 II or 165 II, but not to Model 155 or 165.
- g** The 2715 Transmission Control Unit Model 1, part of the 2790 Data Communication System, can attach a combination of 2790 devices to System/370 for local operation. These devices include the 2791 and 2793 Area Stations, the 2795, 2796, and 2797 Data Entry Units, and the 2798 Guidance Display Unit. With appropriate attachment features and the expanded capability feature, a 2715 can attach as many as 100 area stations, 1,024 data entry units, and 256 guidance display units.
- h** A 2314 A-Series Direct Access Storage Facility (DASF) consists of a 2314 Storage Control Model A1 and combinations of Model A1 units of 2312, 2313, and 2318 Disk Storage, forming a single interconnected unit. Each 2312-A1 provides one disk storage drive, each 2313-A1 four drives, and each 2318-A1 two drives. A full-configuration 2314 A-Series, which consists of two 2313s and one 2312, has eight drives and one spare.
- i** Selector channel attachment is not recommended unless dedicated.
- j** A 2314 B-Series Direct Access Storage Facility consists of a 2314 Storage Control Model B1, one 2319 Disk Storage Model B1, and up to two units of 2319 Disk Storage Model B2, forming a single interconnected unit having three, six, or nine (eight active, one spare) disk drives. Each 2319-B1 and -B2 has three drives.
- k** The 3350-A2, -A2F, -B2, and -B2F each have two drives. A Model A2 or A2F can attach up to three Model B2s and/or B2Fs for a maximum of eight drives per string. As many as four 3350-A2s or -A2Fs with associated Models B2 and/or B2F can attach to Models 135, 155 II, and 165 II via the 3830 Model 2, and to Models 145, 158, and 168 via their integrated storage controls (ISCs) or the 3830 Model 2. The 3350 is not supported on Models 115 or 125.
- l** The 2816 permits switching of as many as eight tape drives (2401 Models 1-6 and 2420s) among four 2803s. With a second 2816 and 16-drive addressing, 4, 8, 12, or 16 drives can be switched among two, three, or four 2803s.
- m** 2803 is a single-channel control unit; 2804 is a two-channel control unit. A 2804 requires one control-unit position on each of two channels in the same system.
- n** Up to eight:
800-bpi drives (2401-1 to -3) per 2803-1 or 2804-1.
800- and 1600-bpi drives (2401-1 to -6 and 2420-5, -7) per 2803-2.
800- and 1600-bpi drives (2401-1 to -6) per 2804-2.
800- and 1600-bpi drives (3420-3, -5, -7) per 3803-1 or -2.
2401-8s per 2803-3 or 2804-3.
6250-bpi or 6250/1600-bpi drives (3420-4, -6, -8) per 3803-2.
The 3803 tape switching features permit switching of as many as 16 3420s among two, three, or four 3803s.
- o** The 2319 Disk Storage Model A1 has three disk drives and permits attachment of as many as five additional drives. Attachable to the 2319-A1 are the single-drive 2312-A1, two-drive 2318-A1, three-drive 2319-A2 (for Model 145 GE-I only) or 2319-A3 (for Model 135 only), and four-drive 2313-A1 (for Model 145 GE-I only). The 2319-A1 does not attach to Model 145 H2-J2.
- q** One or two modules of 2305 Fixed Head Storage and a 2835 Storage Control form a 2305 Fixed Head Storage facility, a single interconnected unit.
- r** A locally attached 3270 Information Display System has a 3272 Control Unit Model 1 or 2 which directs the operation of various combinations of up to 32 3277 Display Stations Models 1 and 2, 3284 and 3286 Printers Models 1 and 2, and 3288 Line Printers Model 2. The 3272-1 controls only Model 1 devices, but the 3272-2 controls both Model 1 and 2 devices.
- s** Neither channel adapter type 2 nor channel adapter type 3 attaches to 3705-A1, -B1, -C1, or -D1.
- t** The 3272 can be plugged for disconnect command chaining on the 3158-3. The 32-device option must also be plugged if applicable.
- u** On the Model 155, 2835-2s are attachable to block multiplexer channels 1 and 2 only. Two 2835s can attach to channel 1; two can attach to channel 2.
- v** One 1403 and one 2540 per 2821-1.
One 1403 per 2821-2.
Two (or, with a third printer control, three) 1403s per 2821-3.
One 1404 and one 2540 per 2821-4.
Two (or, with a third printer control, three) 1403s and one 2540 per 2821-5.
One 2540 per 2821-6.
- w** The basic 2841 can control as many as eight 2311s.
- x** 2848-1: up to 24 2260-2s.
2848-2: up to 16 2260-2s.
2848-3: up to 8 2260-1s.
2848-21: up to 24 2260-2s.
2848-22: up to 16 2260-2s.
- y** One 3210-1 or 3215-1 is attachable (and required) on a Model 135, 145, or 155. One 3210-2 can be attached to a Model 145 or 155 in addition to either a 3210-1 or 3215-1.
- z** 2826-1 attaches up to two 1017s plus up to two 1018s; they can operate concurrently.



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