

PRICE LIST

AUGUST 1, 1967



PDP-8

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Computer	Standard PDP-8 Computer, Table Top or Rack Mountable Version (including ASR-33 Teleprinter) does not include cabinet.	\$18,000*
Memory	Type 183 Memory Extension Control. Allows extension of core memory up to 32,768 words in increments of 4,096 words.	1,500
Memory	Type 184 Memory Module. 4,096 word core memory w/o parity. with parity.	7,500* 8,700
Parity	Type 188 Memory Parity option. Installed in central processor with parity control. Purchased with computer (\$3250/4K module when field installed plus field installation at \$15.00/hr., \$200 min. and return of replaced stack)	2,000
Multi-Divide	Type 182 Automatic Multiply-Divide. (Includes long shifts and normalize.)	3,500
Multiplexer	Type DM01 Data Channel Multiplexer. Provides high speed transfer between core memory and seven I/O devices.	2,700*
Power Failure Protection	Type KR01 Power Failure option allows contents of live registers to be stored in core memory when power begins to fail and restarts the program when power returns.	600

Readers and Punches

Paper Tape	Type PC02 High Speed Perforated Tape Reader and Control. Senses 8-hole perforated fan-fold paper or Mylar tape photo-electrically at 300 characters per second.	2,500*
Paper Tape	Type PC03 High Speed Perforated Tape Punch and Control. Punches 8-hole fan-fold at 50 cps.	3,000*
Paper Tape	Type PC01 combination of PC02 Reader and PC03 Punch.	4,800*
Cards	Type CR01C Low Speed Card Reader. Reads standard punched cards at rates up to 100 cards per minute.	4,100*
Cards	Type 451A Card Reader and Control. Reads standard punched cards at rates up to 200 cards per minute. Cards are read optically, column by column, in binary or alphanumeric modes.	14,900
Cards	Type 451B High Speed Card Reader and Control. Reads standard punched cards at rates up to 800 cards per minute.	25,600

Magnetic Tape

Transport	DECTape System. Provides a fixed address magnetic tape facility for high speed loading, readout and program updating.	
	Type TU55 Tape transport.	2,350*
	Type TC01 Automatic Control Unit. Controls up to 8 Type TU55 Tape Transports.	7,400*

*Does not include enclosure cost.

Control	Type TC58 Automatic Magnetic Tape Control. Controls up to 8 magnetic tape transports automatically, using the 3 cycle Data Break facility on the PDP-8. Either 7-track or 9-track tape units may be attached to the TC58. Recording densities are selectable under program control.	\$10,000*
Transport	Type TU20 Magnetic Tape Transport. Reads and writes 7-track IBM-compatible magnetic tape at 45 ips and 200/556/800 bpi. <u>Requires Control, Type TC58.</u>	12,000
Transport	Type TU20A Magnetic Tape Transport. Reads and writes 9-track IBM-compatible magnetic tape at 45 ips and 200/556/800 bpi. <u>Requires Control, Type TC58.</u>	13,000
Drum	Type 251 Serial Magnetic Drum System. Transfer blocks of 12-bit words automatically.	
	Type 251A 8,192 words	18,800
	Type 251B 16,384 words	19,500
	Type 251C 32,768 words	21,500
	Type 251D 65,536 words	24,700
	Type 251E 131,072 words	30,700
	Type 251F 196,608 words	37,500
	Type 251G 262,144 words	43,600
Disc	Type DF32 Disc File and Control. Random-access, bulk storage device and control operating through 3-cycle Data Break facility on the PDP-8. Storage capacity - 32K, 13-bit words. Data Transfer Rate - 66 μ sec per word. (60 cycle power)	6,000*
	Type DS32 Expander Disc Surface. 32K, 13-bit words, (up to 3 DS32 units can be added to the DF32, for a maximum capacity of 131,072 words).	3,000*

Printers and Plotters

Printer	Type 645 Automatic Line Printer and Control. Prints 300 line per minute, 120 columns per line, any one of 64 characters per column.				28,900
Plotter	Type 350B Incremental Plotter and Control.				
	Includes Calcomp Model	Step Size (inches)	Speed (steps/ minute)	Paper Width (inches)	
	563	0.01" or 0.005"	12,000	31	13,400*
	565	0.01" or 0.005"	18,000	12	8,900*

CRT Displays

Display	Type 34D Oscilloscope Display. Plots data point by point on Tektronix Oscilloscope Model RM 503. Three selectable intensity levels. Ten bits per axis.	\$ 3,600*
	Without Oscilloscope.	2,800*
Display	Type 30N Precision CRT Display. Plots data point by point on 16-inch cathode ray tube. Separately variable 10-bit X and Y coordinates. Eight selectable intensity levels.	13,400

*Does not include enclosure cost.

Light Pen	Type 370 High-Speed Light Pen. Uses fiber optic light pipe and photomultiplier system for fast detection of information displayed. For use with Type 34D and 30N displays.	1,625
<u>Analog-to-Digital Converters and Multiplexers</u>		
A-D	Type 189 Analog-to-Digital Converter. A successive approximation analog-to-digital converter with selectable accuracy of up to 12 bits. Uses PDP-8 registers.	1,450
A/D and Multiplexer	Type AF01A Analog-to-Digital Converter and Multiplexer. Successive approximation ADC with switch-selected word length from 6 to 12 bits and conversion times from 9 to 35 μ sec. Multiplexer uses A121 switches to handle up to 64 single-ended inputs and analog signals from 0 to -10 volts. Other ranges available by using Amplifier, Type AH03. Random and sequential selection of multiplexer channels.	
	Analog-to-digital converter and multiplexer control	4,500*
	Multiplexer switch, Type A121 (implements four (4) channels)	65
	Amplifier, Type AH03 (between ADC and MPXR)	300
	Eight-channel sample-and-hold control, Type AC01A (requires one (1) sample-and-hold, Type AH02 per channel implemented)	1,600*
	Sample-and-hold, Type AH02 (between ADC and MPXR or with Type AC01A)	500
A/D and Multiplexer	Type AF02A Analog-to-Digital Converter and Multiplexer. Same as Type AF01A except can expand up to 1024 channels. Requires one (1) amplifier, Type AH03, for each group of 128 channels. Analog signals from + 10 to - 10 volts.	
	Analog-to-digital converter and control:	
	For up to 128 channels	7,300
	For up to 256 channels	7,700
	For up to 512 channels	9,300
	For up to 1024 channels	12,500
A/D and Multiplexer	Type AF03A Analog-to-Digital Converter and Multiplexer. For differential, multiplexed analog-to-digital conversion systems. Successive approximation ADC with switch-selected word length from 6 to 12 bits and conversion times from 9 to 35 μ sec. Uses differential amplifier between ADC and each group of 64 or 128 channels. Can expand to 1024 channels. Uses A111 switches. Requires one (1) amplifier, Type AG01, for each group of 64 or 128 channels and one (1) switch, Type A111, for each two (2) channels.	
	Analog-to-digital converter and control:	
	For up to 64 channels	\$ 7,900
	For up to 128 channels	9,100
	For up to 256 channels	10,800
	For up to 512 channels	13,800
	For up to 1024 channels	18,300
	Multiplexer switch, Type A111 (implements two (2) channels)	93
	Differential amplifier, Type AG01, first	1,200
	Each additional amplifier	1,000

*Does not include enclosure cost.

Scanning IDVM	Type AF04A Scanning Digital Voltmeter System. Guarded scanning digital voltmeter system with ranges from ± 10 mv to ± 300 v with automatic ranging, 300 percent over ranging, and 0.001 percent resolution. 140 db common mode noise rejection. Integrating digital voltmeter and sequential or random addressing scanner. Can expand to 1000 channels.	
	For up to 200 channels	\$16,000 plus \$200 per 10 channels
	Above 200 channels	Add \$1,200 per 200 channel group plus \$200 per 10 channels
D-A Multiplexer	Type AA01A Digital-to-Analog Converter. Converts 12-bit binary numbers to analog voltages.	
	Including one 12-bit D/A	1,600*
	Including two 12-bit D/A	2,200*
	Including three 12-bit D/A	2,800*

Data Communication Equipment

Communications	Type 680 Data Communications System. Provides interface for up to 128 Teletype Stations. (See 680 Product Bulletin for more information and prices.	
	Type 681 Data Line Interface.	1,500
	Type 685 Serial Line Multiplexer (For up to 64 lines).	4,300*
	Type W750 Teletype Line Unit (One required per Teletype).	100*
Teletype System	PT08B Control (Rack mountable)	800*
	PT08C (Rack mountable - controls two Teletypes)	1,500*
	PT08F Control for 103 Dataphone (Rack mountable)	900*
Teleprinters	Spare Send/Receive Keyboard Sets.	
	Model 33 RO	\$ 825
	Model 33 KSR	900
	Model 33 ASR	1,200
	Model 33 ASR (Sprocket Feed)	1,500
	Model 35 KSR	2,500
	Model 35 ASR	4,000

Equipment Bays

Cabinets	Type CAB-8A, free standing base cabinet with winged table.	1,100
	Type CAB-8B, free standing base cabinet with rectangular table.	1,000
	Type CAB-1, expander cabinet, full-length French doors, no end panels.	500
	Type CAB-3, expander cabinet, for use with "operator-accessible" options such as DECtape, etc., no end panels.	650
End Panels	(Set of end panels for standard cabinets.)	100

Spare Parts

Spares	Recommended spare parts and components for standard PDP-8 and ASR-33 Teleprinter.	2,648
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Prices quoted are effective Aug, 1967, FOB Maynard, Mass., and apply in continental United States only. Federal, state or local taxes are not included. Option prices are for factory installation; field installation prices will be quoted upon request. All prices are subject to change without notice.

*Does not include enclosure cost.



SALES AND SERVICE

MAIN OFFICE AND PLANT

146 Main Street, Maynard, Massachusetts 01754
Telephone: From Metropolitan Boston: 646-8600
Elsewhere: (617)-897-8821
TWX: 710-347-0212 Cable: Digital Mayn. Telex: 94-8457

DOMESTIC

NORTHEASTERN

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455 Empire Boulevard, Rochester, New York 14609
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CONNECTICUT OFFICE:

129 College Street, New Haven, Connecticut 06510
Telephone: (203)-777-5797 TWX: 710-465-0692

MID-ATLANTIC

NEW YORK OFFICE:

1259 Route 46, Parsippany, New Jersey 07054
Telephone: (201)-335-3300 or (212)-279-4735
TWX: 710-987-8319

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Digital Equipment Corporation
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