

PROGRAMMED DATA
PROCESSOR-6
PRICE LIST

MAY 1, 1965



PDP-6

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PROCESSORS

ARITHMETIC PROCESSOR TYPE 166

36-Bit Word Length
16 Accumulators
15 Index Registers
Floating Point Arithmetic
Console Teleprinter and Control
Paper Tape Reader and Control
7-Channel Priority Interrupt System
Buffered I/O System and Control

\$151,000

RANDOM ACCESS MEMORY

Type No.	Description	Size	Cycle Time	Price
162	Flip-Flop	16	400 nsec	\$ 30,000
161B	Core	8,192	5 μ sec	49,000
161C	Core	16,384	5 μ sec	85,000
163C	Core	16,384	1.8 μ sec	126,000

MEMORY INTERFACE TYPE 187

Core memories are supplied with an interface to one Type 166 Arithmetic Processor. Drum processors or additional Arithmetic Processors require an additional Type 187 Interface for each core memory module connected to them.

\$ 2,700

DISC AND DRUM MEMORIES

DRUM PROCESSOR TYPE 167-236

Controls transfer of data between core memory and up to four drum units. Requires one memory bus Interface Type 187 for each PDP-6 memory module with which it communicates.

\$ 35,000

MAGNETIC DRUM UNIT
TYPE 237

Each drum stores 1,048,576 36-bit words. The drum rotates at 1680 rpm (35.7 msec per revolution) and provides a 36-bit word transfer every 4.2 μ sec. Requires Type 167-236 Drum Processor.

\$ 75,000

DISC FILE
TYPE 270

Each disc file stores a total of 5.76 million 36-bit words. Transfer rates are 51.8 μ sec/word outer zone, 88.8 μ sec/word inner zone. Average access time is 190 msec. Requires Data Control Type 136. Each control can service up to four disc files.

Disc File System

\$140,000

Additional Files (maximum of 3) each

\$ 90,000

DATA CONTROL
TYPE 136

Assembles and disassembles 36-bit data words. May be used with up to four tape controls and two special purpose data handling devices.

\$ 10,000

MAGNETIC TAPE EQUIPMENT

MAGNETIC TAPE CONTROL
TYPE 516-521

Controls up to eight Type 570 Magnetic Tape Transports. Permits reading, writing, forward or backward spacing, and rewind. Requires Type 136 Data Control.

\$ 18,000

MAGNETIC TAPE TRANSPORT
TYPE 570

Reads and writes IBM-compatible tape at a recording density of 200, 556, and 800 bpi. Tape speed is 75 or 112.5 ips with transfer rates from 15 to 90 kc. Reverse reading at all densities; less than one transient read error per 10^7 characters. Requires Type 516-521 Magnetic Tape Control.

\$ 30,400

MAGNETIC TAPE CONTROL
TYPE 516-520

Controls up to eight DEC Type 50 Magnetic Tape Transports operating at 200 and 556 bpi. Requires Type 136 Data Control.

\$ 18,000

MAGNETIC TAPE TRANSPORT
TYPE 50

Reads and writes IBM-compatible magnetic tape at transfer rates of 15 and 41 kc. Tape speed is 75 ips; densities, 200 and 556 bpi. Requires Type 516-520 Magnetic Tape Control.

\$ 18,000

MAGNETIC TAPE CONTROL
TYPE 516-522A

Permits control of up to eight IBM-729 VI tape transports operating at 200, 556, and 800 bpi. Requires Type 136 Data Control. \$ 24,000

DUAL DECTAPE SYSTEM

CONTROL UNIT
TYPE 551

Controls up to four Type 555 Tape Transports. Requires Type 136 Data Control. \$ 14,000

DUAL TRANSPORT
TYPE 555

Consists of two independent tape drives. A fixed address magnetic tape facility for high speed loading, readout, and program updating. Density is 375 ± 60 bpi; tape speed is 80 ips with 15 kc transfer rate. Reads and writes in both directions; redundant tracks provide less than one transient error per 10^{10} characters. Requires Type 551 Control Unit. \$ 7,400

PERIPHERAL EQUIPMENT

PAPER TAPE I/O

HIGH SPEED PAPER TAPE
READER AND CONTROL*
TYPE 760

Reads 5, 7, or 8-hole perforated paper tape photoelectrically at 400 characters per second. \$ 9,000

*Furnished as standard equipment with 166 Arithmetic Processor.

HIGH SPEED PAPER TAPE
PUNCH AND CONTROL
TYPE 761

Punches 8-hole paper tape at 63.3 characters per second. \$ 5,500

PUNCH CARD I/O
CARD READER AND CONTROL
TYPE 461

Provides on-line reading of 80-column punched cards at 200 or 800 cards per minute in either alphanumeric or binary codes.

200 cards per minute \$ 16,500

800 cards per minute \$ 27,200

CARD PUNCH AND CONTROL
TYPE 460

Permits on-line punching of 80-column cards at 100 or 300 cards per minute.	
100 cards per minute	\$ 29,000
300 cards per minute	\$ 42,000

HIGH SPEED
LINE PRINTER AND CONTROL
TYPE 646

Prints ASCII character set, 10 characters per inch horizontally, 6 lines per inch vertically.	
120 columns per line, 64 characters per column.	
300 lines per minute	\$ 30,000
600 lines per minute	\$ 37,500
1000 lines per minute	\$ 47,500
132 columns per line, 64 characters per column.	
300 lines per minute	\$ 31,750
600 lines per minute	\$ 39,150
1000 lines per minute	\$ 50,500

CALCOMP PLOTTERS

Calcomp plotters can be interfaced to the PDP-6 System either of two ways, directly via the I/O Bus or as terminals via the Type 630 Data Communication System.

CALCOMP MODEL

	563	564	565	566
Width	29-1/2"	29-1/2"	11"	11"
Step/min	12,000	18,000	18,000	18,000
Step size	.01"	.005"	.01"	.005"
Price via I/O Bus	\$20,000	\$22,100	\$15,500	\$15,900
Price via 630 DCS	\$16,000	\$18,100	\$11,500	\$11,900

CRT DISPLAY SYSTEMS
TYPE 346

Plots points, lines, and vectors, on a 9-3/8 inch square raster 1024 points along each axis.

1-1/2 μ sec is required per point in vector and increment modes; random point plotting rate of 35 μ sec per point. Includes fiber optic light pipe and photo-multiplier system for fast detection of displayed information.	\$ 33,225
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Incremental Display with Character Generator	
64 characters	\$ 40,000
128 characters	\$ 43,900

DATA COMMUNICATION SYSTEM
TYPE 630

Provides interface to local or remote I/O Teletypes for message switching and time sharing applications. Half Duplex Operation, 8 Level Code.

Number of Station Interfaces	Price
1	\$ 9,869
2	10,488
3	11,107
4	11,726
5	12,345
6	12,964
7	13,583
8	14,202
16	21,642
24	29,082
32	36,522
48	51,402
64	66,282

I/O TELETYPES AND RELATED OPTIONS

Teletypewriters operate at 10 characters per second rate with standard ASCII character set. One 635A Line Power Supply is required per 32 half-duplex terminals.

Type 635A Line Power Supply	\$ 500
Type 635B Patch Panel	\$ 600
Type 635C Model 33 KSR Teletype Station	\$ 900
Type 635D Model 35 KSR Teletype Station	\$ 2,500
Type 635E Model 33 ASR Teletype Station	\$ 1,200
Type 635F Model 35 ASR Teletype Station	\$ 4,000

Prices quoted are effective May 1, 1965, 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 on request. All prices are subject to change without notice.

DIGITAL SALES AND SERVICE

MAIN OFFICE AND PLANT

146 Main Street, Maynard, Massachusetts 01754
Telephone: From Metropolitan Boston: 646-8600
Elsewhere: AC617-897-8821
TWX: 710-347-0212 Cable: Digital Mayn. Telex: 092-027

DIGITAL SALES OFFICES

NORTHEAST OFFICE:

146 Main Street, Maynard, Massachusetts 01754
Telephone: AC617-646-8600 TWX: 710-347-0212

NEW YORK OFFICE:

1259 Route 46, Parsippany, New Jersey 07054
Telephone: AC201-335-0710 TWX: 510-235-8319

WASHINGTON OFFICE:

Executive Building
7100 Baltimore Ave., College Park, Maryland 20740
Telephone: AC301-779-1100

SOUTHEAST OFFICE:

Suite 91, Holiday Office Center
3322 Memorial Parkway, S.W., Huntsville, Ala. 35801
Telephone AC205-881-7730 TWX: 205-533-1267

ORLANDO OFFICE:

1510 E. Colonial Drive, Orlando, Florida 32803
Telephone: AC305-422-4511 TWX: 305-275-0641

PITTSBURGH OFFICE:

300 Seco Road, Monroeville, Pennsylvania 15146
Telephone: AC412-351-0700 TWX: 710-797-3657

CHICAGO OFFICE:

910 North Busse Highway, Park Ridge, Illinois 60068
Telephone: AC312-825-6626 TWX: 312-823-3572

DENVER OFFICE:

Suite 205
5200 South Quebec Way, Englewood, Colo. 80110
Telephone: AC303-771-1180 TWX: 910-444-2212

ANN ARBOR OFFICE:

3853 Research Park Drive, Ann Arbor, Mich. 48104
Telephone: AC313-761-1150 TWX: 810-223-6053

LOS ANGELES OFFICE:

8939 Sepulveda Boulevard, Los Angeles, Calif. 90045
Telephone: AC213-670-0690 TWX: 910-328-6121

SAN FRANCISCO OFFICE:

2450 Hanover, Palo Alto, California 94304
Telephone: AC415-326-5640 TWX: 910-373-1266

IN CANADA:

Digital Equipment of Canada, Ltd.,
150 Rosamund Street, Carleton Place, Ontario, Canada
Telephone: AC613-237-0772 TWX: 610-561-1650

IN EUROPE:

Digital Equipment GmbH, Theresienstrasse 29
Munich 2/West Germany
Telephone: 29 94 07, 29 25 66 Telex: 841-5-24226

Digital Equipment Corporation (UK) Ltd.

11 Castle Street
Reading, Berkshire, England
Telephone: Reading 57231 Telex: 851-84327

IN AUSTRALIA:

Digital Equipment Australia Pty. Ltd.,
89 Berry Street
North Sydney, New South Wales, Australia
Telephone: 92-0919 Telex: 790AA-20740
Cable: Digital, Sydney

July 28, 1966

Current PDP-6 Price List

for New Systems and Add On Options

PDP-6

Type Number	Description	Unit Price	Delivery in Months from Date of Order
166	Arithmetic Processor	300,000	6
626	Console Teleprinter(10 cps)		
760	Paper Tape Reader(400 cps)		
164	16,384 word Core Memory (1.8μsec cycle)		
164	Core Memory, (16,384 words 1.8 μsec cycle)	85,000	4
162	Fast Memory (16 words, 400 nsec Access)	30,000	3.5
551	DEC Tape Control	14,000	3
555	DEC Tape Unit (Dual)	7,400	2.5
136	Data Control	10,000	3
516-	Mag Tape Control with		3
-520	Interface to Type 50 Tape Unit	18,000	3
-521	Interface to Type 545 Tape Unit	18,000	3
-522	Interface to DATAMEC 3029, IBM 729	24,000	3
50	Tape Unit, 75"/sec, 200, 556 bpi	18,000	4
545	Tape Unit, 45"/sec, 200, 556,800 bpi	12,000	4
570	Tape Unit, 112"/sec, 200, 556,800 bpi	30,400	3
760	Paper Tape Reader(400 cps)	9,000	1.5
761	Paper Tape Punch(63.3)	5,500	1.5
461A	Card Reader (200 cpm)	16,500	4
461B	Card Reader (800 cpm)	27,200	5
646	Line Printer		
	300 lpm 132 cols	31,750	6
	600 lpm 120 cols	37,500	6
	600 lpm 132 cols	39,150	6
346	CRT Display w/Light Pen	33,225	3-4
346	CRT Display w/Light Pen and Character Generator	40,000	3-4

PDP-6

Type Number	Description	Unit Price	Delivery in Months from Date of Order
348-30-370	CRT Display w/Light Pen and 6 Int.	18,925	3-4
630A	Half Duplex Data Comm. Syst.		3
	1 Line	9,869	
	2 "	10,488	
	3 "	11,107	
	4 "	11,726	
	5 "	12,345	
	6 "	12,964	
	7 "	13,583	
	8 "	14,202	
	16 "	21,642	
	24 "	29,082	
	32 "	36,522	
635 A	Line Power Supply	500	1
B	Patch Panel	600	2
C	KSR-33	900	2
D	KSR-35	2,500	4-5
E	ASR-33	1,200	2
F	ASR-35	4,000	4-5
165A	PDP-6 Comp. Inter. Comm. Syst.	20,200	4
165B	PDP-8 " " " "	2,200	4
187	Add'l Memory Interfaces, Type 161, 163	2,700	1.5
270	Disc File & Control 5.76 Million Words 51.8 to 88.8 μ sec word trans rate Average Access Time 190 msec. Requires Type 136 Data Control	140,000	5-8
167	Drum Processor w/Parity	22,000	4
169	Parity Option (N/C with 32K or more of 1.8 μ sec Core Memory)	5,000	3