

**The Project Gutenberg eBook of Digital PDP15 Price List, April, 1970, by
Digital Equipment Corporation**

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*** START OF THE PROJECT GUTENBERG EBOOK DIGITAL PDP15 PRICE LIST, APRIL, 1970

DIGITAL PDP15 PRICE LIST; April 1970

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PRICE LIST

APRIL, 1970



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APRIL, 1970

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	Price	1-Shift Service	Discount Status
PDP-15/10: BASIC SYSTEM			
4,096 18-bit, 800-ns core memory	\$15,600	\$150.00	Yes
with KSR-33 Teletype—PC15 required	\$16,200	\$175.00	Yes
with ASR-33 Teletype	\$16,500	\$180.00	Yes
with KSR-35 Teletype—PC15 required	\$17,800	\$172.00	Yes
with ASR-35 Teletype	\$19,300	\$175.00	Yes
PDP-15/20: ADVANCED MONITOR SYSTEM			
8,192 18-bit, 800-ns core memory	\$36,000	\$278.00	Yes
KSR-35 Teletype			
PC15 High Speed Paper Tape Reader and Punch			
KE15 Extended Arithmetic Element			
TC02D DECTape Control			
TU56 Dual DECTape Transport			
PDP-15/30: BACKGROUND/FOREGROUND SYSTEM			
16,384 18-bit, 800-ns core memory	\$59,200	\$384.00	Yes
KSR-35 Teletype for BACKGROUND use			
KSR-33 Teletype for FOREGROUND use			
LT15A Single-Teletype Control			
PC15 High-Speed Paper Tape Reader and Punch			
KE15 Extended Arithmetic Element			
KA15 Automatic Priority Interrupt			
KM15 Memory Protection			
KW15 Real-Time Clock			
TC02D DECTape Control			
2 TU56 Dual DECTape Transports			
PDP-15/40: DISK-ORIENTED BACKGROUND/FOREGROUND SYSTEM			
24,576 18-bit, 800-ns core memory	\$91,000	\$532.00	Yes
KSR-35 Teletype for Background use			
KSR-33 Teletype for Foreground use			
LT15A Single-Teletype Control			
PC15 High Speed Paper Tape Reader and Punch			
KE15 Extended Arithmetic Element			
KA15 Automatic Priority Interrupt			
KM15 Memory Protection			
KW15 Real-Time Clock			
TC02D DECTape Control			
TU56 Dual DECTape Transport			
RF15 DECdisk Control			
2 RS09 DECdisk Drives			

NOTE: Note 1 applies to all systems (see last page of price list)

	Notes	Pre-req.	1-Shift Service	Field Inst.	Price	Discount Status
MEMORY EXPANSION AND OPTIONS						
MM15-A	4K Memory Module with Space to Add Additional MK15-A	<u>7</u>	PC15	\$20 \$100	\$8,000	Yes
MK15-A	Expands MM15-A to 8K Increases PDP-15/10 to 8K		MM15A	20 60	6,000	Yes
MP15	Memory Parity for each 4K of Memory added	<u>2</u>	None	15	1,500	Yes
KT15	Memory Relocation		KM15	25 125	3,000	Yes
MX15	Memory Multiplexer		None		5,000	Yes

CENTRAL PROCESSOR OPTIONS

KE15	Extended Arithmetic Element	None	20	60	2,800	Yes
KM15	Memory Protect	None	10	100	2,900	Yes
KF15	Power Fail	None	2	60	1,000	Yes
KP15A	Dual Memory Bus—One bus for I/O Processor One Bus for Central Processor	8 2 or more MX15's			5,000	Yes

INPUT/OUTPUT PROCESSOR OPTIONS

KA15	Automatic Priority Interrupt	KW15	15	100	3,900	Yes
KW15	Real Time Clock, Line Frequency	None	2	60	500	Yes
DW15A	Positive to Negative Bus Converter	None	15	100	2,000	Yes

MASS STORAGE DEVICES

TC02D	DECtape control for up to 4 TU56 DECtape transport units	3	DW15A	20	240	5,400	Yes
TU56	Dual DECtape Transport Magnetic Tape Transport Control for up to 8 TU20, TU20A, TU30, TU30A		TC02D	12	60	4,700	Yes
TC59D	Magnetic Tape Transport Units	3	DW15A KW15	25	400	8,000	Yes
TU20B	7-Track, 45 ips Magnetic Tape Transport 200, 556 and 800 bpi		TC59D	70	400	12,000	No
TU20A	9-Track, 45 ips Magnetic Tape Transport 800 bpi		TC59D	80	400	13,000	No
TU30B	7-Track, 75 ips Magnetic Tape Transport 200, 556 and 800 bpi		TC59D	80	400	21,000	No
TU30A	9-Track, 75 ips Magnetic Tape Transport 800 bpi		TC59D	90	400	22,000	No
RF15	DECdisk Control for up to 8 RS09 DECdisk Drives		None	30	180	6,000	Yes
RS09	262,144 Word DECdisk		RF15	40	240	9,000	Yes
RP15	Disk Pack Control for up to 8 RP02 Disk Pack Drives		None	100	450	18,000	Yes
RP02	10.24 Million word Disk Pack Drive Unit		RP15	100	400	26,000	No
RP02P	Includes one RP02P Disk Pack Disk Pack				650	No	

Notes **Pre-req.** **1-Shift Service** **Field Inst.** **Price** **Discount Status**

DISPLAY DEVICES

VP15A	Storage Tube Display VT01 Storage Display Unit, Control, and Mounting Hardware	6	None	86	200	5,800	\$3,000 not disc.
VP15B	Oscilloscope Display Tektronix RM503 X-Y Oscilloscope, Control, and Mounting Hardware		None	21	70	3,600	\$ 800 not disc.
VP15BL	Oscilloscope Display Tektronix RM503 X-Y Oscilloscope, Control, Mounting Hardware, and DEC Type 370 Light Pen		None	24	150	5,225	\$ 800 not disc.
VP15C	Oscilloscope Display VR12 X-Y Display Unit (7" x 9" CRT), Control, and Mounting Hardware		None	38	220	5,250	Yes
	Oscilloscope Display VR12 X-Y Display Unit						

VP15CL	(7" × 9" CRT), Control, Mounting Hardware, and DEC Type 370 Light Pen		None	41	300	6,875	Yes
VP15M	Display Multiplexer for up to 8 VT01's		None			3,900	Yes
VT01	Storage Tube Display *(+\$300 for cables and connectors)	6	VP15M			3,000 300*	No
VT15	Graphic Display Processor		None	70	500	14,400	Yes
VT04	Graphic Display Console		VT15	25	250	4,500	No
LK35	Keyboard		VT04, LT15A or LT19 Series	30	120	1,200	No
VL04	Light Pen		VT04	5	75	700	Yes

CARD INPUT

CR03B	Card Reader—200 cpm Reader and Control	3 , 6	DW15A	50	240	5,200	No
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PAPER TAPE INPUT

PC15	Paper Tape Station—300 cps Reader 50 cps Punch		None	24	320	3,900	Yes
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PRINTERS

LP15F	Line Printer—356 lpm 80 column Line Printer and Control		None	110	250	14,000	No
LP15C	Line Printer—1000 lpm 132 column Line Printer and Control		None	135	280	40,000	No

CALCOMP PLOTTERS AND CONTROL

	12-Inch Drum Plotter, Model 565, and Control						
XY15AA	0.01-Inch Step 18,000 Steps/Minute	3 , 6	DW15A	22	280	8,900	No
XY15AB	0.005-Inch Step 18,000 Steps/Minute	3 , 6	DW15A	27	280	8,900	No
	31-Inch Drum Plotter, Model 563, and Control						
XY15BA	0.01-Inch Step 12,000 Steps/Minute	3 , 6	DW15A	27	320	13,400	No
XY15BB	0.005-Inch Step 18,000 Steps/Minute	3 , 6	DW15A	32	320	13,400	No
XY15	Control Only	3	DW15A	15	200	3,000	No

Notes **Pre-req.** **1-Shift Service** **Field Inst.** **Price** **Discount Status**

DATA COMMUNICATIONS

LT19D	Multi-Station Teletype Control Separate Transmit Clock per Channel Accommodates up to 5 LT19E Line Units	3 , 5	DW15A	2	160	1,200	Yes
LT19E	Line Unit (One Required for each Teletype or EIA Line Adapter)		LT19A	2	120	800	Yes
LT19F	EIA Line Adapter (Per Line)		LT19A, B	2	60	100	Yes
LT19H	Cable Set for Interprocessor Buffer for use with LT19H/LT19F or LT19F/PT08F Combinations. Specify Length.						
	LT19HA 50 feet		LT19F			60	Yes
	LT19HC 150 feet		LT19F			70	Yes
	LT19HD 200 feet		LT19F			75	Yes

	LT19HE	250 feet		LT19F			80	Yes
LT15A	Single Teletype Control			None	2	160	1,200	Yes
KSR-33	Teletype Model 33 Keyboard Send-Receive Unit			None	25	80	1,200	No
ASR-33	Teletype Model 33 Automatic Send-Receive Unit with Paper Tape Reader and Punch				30	120	1,500	No
KSR-35	Teletype Model 35 Keyboard Send-Receive Unit				22	80	3,000	No
ASR-35	Teletype Model 35 Automatic Send-Receive Unit with Paper Tape Reader and Punch				25	150	4,500	No
DP09A	Data Communications System Compatible with EIA RS 232B Interface, Bell System Type 201 Dataphone		3	DW15A	20	200	6,000	Yes

INPUT/OUTPUT BUFFERS

DB99A	PDP-15 (9 or 9/L) to PDP-15 (9 or 9/L)		3, 4	DW15A	15	250	7,000	Yes
DB98A	Interprocessor Buffer PDP-15 (9 or 9/L) to PDP-8 (or 8/I)		3, 4	DW15A	15	250	7,000	Yes
DR09A	Interprocessor Buffer 18-Bit Relay Output Buffer		3	DW15A	8	300	2,000	Yes

DIGITAL-TO-ANALOG OPTIONS

AA15A	Multiplexer Control for up to 16 12-Bit Digital-to-Analog Converter Channels Type AAC2						2,600	Yes
AAC2	Digital-to-Analog Converter Single Buffered, 0V to $\pm 10V$			AA15			350	Yes

Notes **Pre-req.** **1-Shift Service** **Field Inst.** **Price** **Discount Status**

ANALOG-TO-DIGITAL OPTIONS

AF01B	6-12 Bit Analog-to-Digital Converter (conversion time of 9-35 μ sec) with Multiplexer Control. Uses A121 Switches to implement up to 64 Single-Ended, High-Level (0V to -10V) Analog Inputs.	3	DW15A	8	240	5,000	Yes
A121	4-Channel FET Multiplexer Switch (implements four AF01B Channels)		AF01B	1	8	65	Yes
AH02	One-Channel of Sample-and-Hold (Used between Analog-to-Digital Converter and Multiplexer or with AC01B)		AF01B	6	150	500	Yes
AH03	Scaling Amplifier		AF01B	1	100	300	Yes
AC01B	8-Channel Sample-and-Hold Control		1-AH02 per channel	25	250	1,600	Yes
ADC1/9	6-12 Bit Analog-to-Digital Converter for single-ended, high-level (0V to -10V) Analog inputs	3	DW15A	8	160	3,265	Yes
AM09	Multiplexer Control for 1024 Channels Mounting Panel and High-		ADC1/9	14	250	2,500	Yes

AM02A	Level Analog Input Connectors for 4-128 Channels Implemented by a Maximum of 32A122 Switches NOTE: One AM02A is required for each group of 128 Channels	AM09	None	60	2,200	Yes
A122	4-Channel FET Multiplexer Switch Mounting Panel and Low-Level (differential) Quick-Disconnect Analog Input Connectors for 2-64 Channels Implemented by a Maximum of 32-A111 Switches	AM02	1	60	65	Yes
AM03	Differential Amplifier 2-Channel Multiplexer Switch	AG01 AM09	None	60	1,500	Yes
AG01	(guarded James MicroScan relay)	AM03	2	40	93	Yes
A111	Integrating Digital Voltmeter Analog Input Subsystem with Multiplexer Control for 10-1000 3-wire High or Low Level Differential Analog Inputs (± 10 mV to ± 300 V full scale ranges with programmable range and auto-ranging). Includes mounting panel for 200 channels	3 DW15A	100	1050	18,000	No
AF04B	The AF04B has the following options:					
AF04S	10-Channel Guarded Reed Relay Multiplexer Switch Expansion Mounting Panel for 200 Channels	AF04B	2	40	330	No
AF04X	(one required for each additional 200 channel group)	AF04B	4	60	1,800	No

SUPPLIES KITS

SK15-A	For PDP-15/20/30/40 Systems Contains 18 Certified DECTapes, 1 DECTape carrying case, 250 blue DECTape ribbons, 2 teletype ribbons, 2 boxes of form-feed teletype paper, 1 case of fan fold paper tape, 4 paper tape plastic storage trays.				400.00	No
SK15-B	For PDP-15/10 Systems Contains 2 teletype ribbons, 2 boxes of rolled, non-perforated teletype paper, 1 case of fanfold paper tape, 6 paper tape plastic storage trays.				80.00	No

Price Discount Status

CABINETS

H960-A	Free standing cabinet. Includes filter, fan, casters, levelers, rear mounting panel door, door cover, end panels, and 63 inch open front. (See Module Products price list for front options.)				650.00	Yes
H961-A	H960-A without end panels				430.00	Yes

INPUT/OUTPUT BUS

For connecting negative logic devices to

the negative PDP-15 bus (DW15A converted positive bus). Two required per device.

BC09A	2 foot	180.00	Yes
	7 foot	190.00	Yes
	15 foot	210.00	Yes
	25 foot	230.00	Yes

For connecting positive logic devices to the positive PDP-15 bus.

One required per device.

BC09B	2 foot	300.00	Yes
	3 foot	301.00	Yes
	4 foot	302.00	Yes
	5 foot	303.00	Yes
	7 foot	305.00	Yes
	10 foot	308.00	Yes
	12 foot	309.00	Yes
	15 foot	310.00	Yes
	25 foot	320.00	Yes
	50 foot	345.00	Yes
	100 foot	395.00	Yes

For connecting positive logic devices to the negative PDP-15 bus (DW15A converted positive bus). One required per device.

BC09C	2 foot	400.00	Yes
	3 foot	401.00	Yes
	4 foot	402.00	Yes
	5 foot	403.00	Yes
	7 foot	405.00	Yes
	10 foot	408.00	Yes
	12 foot	409.00	Yes
	15 foot	410.00	Yes
	25 foot	420.00	Yes
	50 foot	445.00	Yes
	100 foot	495.00	Yes

NOTES:

1. Only one of each peripheral controller may be attached to a PDP-15 system. Multiple controllers are available through Computer Special Systems.
2. Mixtures of core with and without parity not allowed.
3. Only one DW15A required per PDP-15 system.
4. DW15A required for PDP-15 systems only. No prerequisites for PDP-9 or 9/L.
5. Four LT19D peripheral controllers may be attached to a PDP-15 system.
6. Table-top unit.
7. PC15 is required if system software is to operate in more than 8K. If software is not required, PC15 is not required.
8. Not field installable.

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