

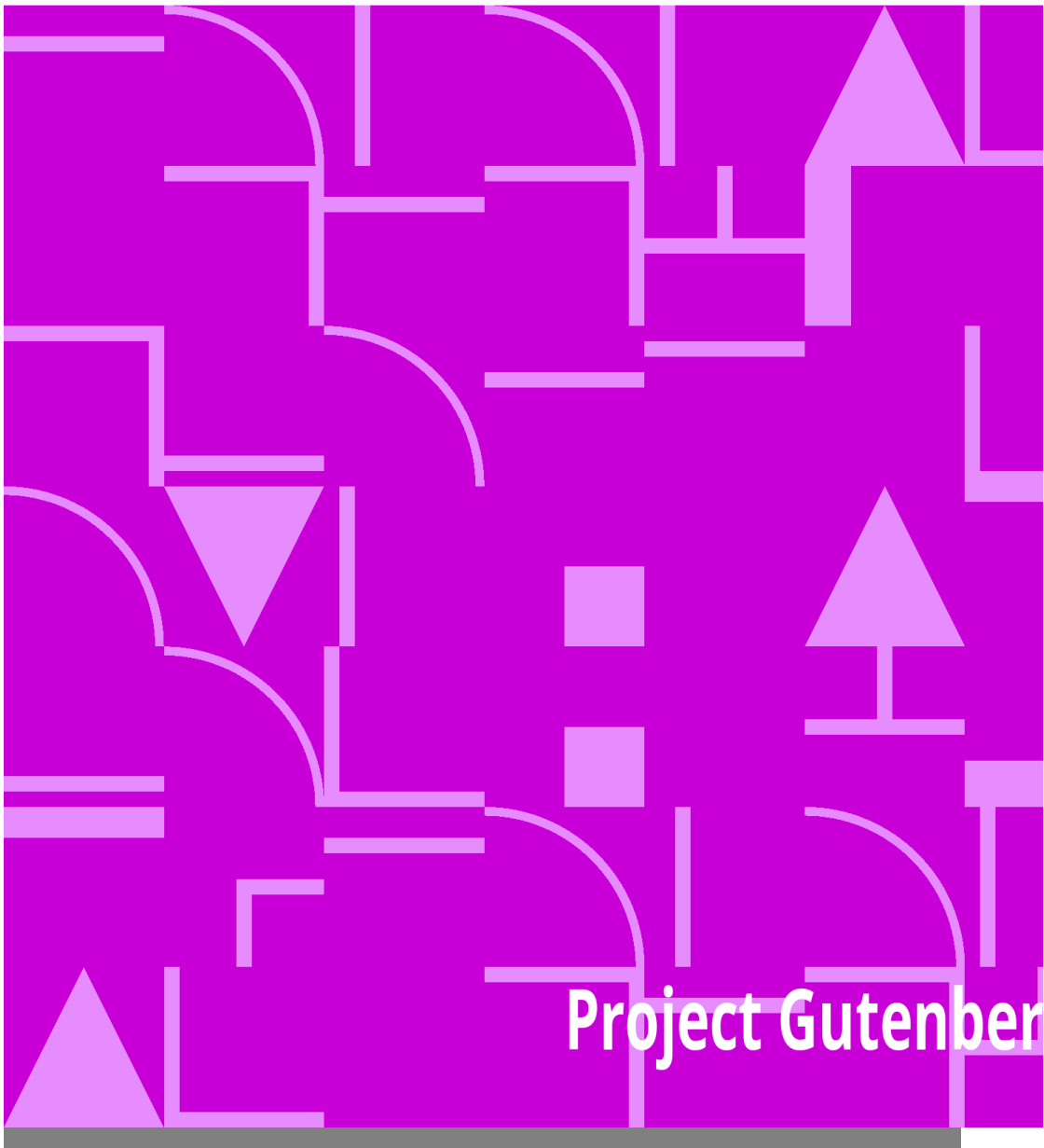
Digital PDP15 Price List, April, 1970

Digital Equipment Corporation

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List, April, 1970**

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

DIGITAL PDP15 PRICE LIST; April 1970

digital

PRICE LIST

APRIL, 1970



DIGITAL EQUIPMENT CORPORATION

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PRICE LIST

APRIL, 1970

pdp15

DIGITAL EQUIPMENT CORPORATION

	Price	1-Shift Discount Service	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** \$91,000 \$532.00 Yes

24,576 18-bit, 800-ns core memory
 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	7 PC15	\$20	\$100	\$8,000	Yes
MK15-A	Expands MM15-A to 8K Increases	MM15A	20	60	6,000	Yes

	PDP-15/10 to 8K Memory Parity for each 4K of Memory added	<u>2</u>	None	15		1,500	Yes
MP15							
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 Dual Memory Bus—One bus for I/O Processor One Bus for Central Processor		None	2	60	1,000	Yes
KP15A		<u>8</u>	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	<u>3</u>	DW15A	20	240	5,400	Yes
TU56	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 7-Track, 45 ips	<u>3</u>	DW15A KW15	25	400	8,000	Yes
TU20B	Magnetic Tape Transport 200, 556 and 800 bpi 9-Track, 45 ips		TC59D	70	400	12,000	No
TU20A	Magnetic Tape Transport 800 bpi		TC59D	80	400	13,000	No
TU30B	7-Track, 75 ips Magnetic Tape		TC59D	80	400	21,000	No

TU30A	Transport 200, 556 and 800 bpi 9-Track, 75 ips Magnetic Tape	TC59D	90	400	22,000	No
RF15	Transport 800 bpi DECdisk Control for up to 8 RS09 DECdisk Drives	None	30	180	6,000	Yes
RS09	262,144 Word DECdisk Disk Pack Control for up to 8 RP02 Disk Pack Drives	RF15	40	240	9,000	Yes
RP15	10.24 Million word Disk Pack Drive Unit	None	100	450	18,000	Yes
RP02	Includes one RP02P Disk Pack	RP15	100	400	26,000	No
RP02P	Disk Pack				650	No

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

DISPLAY DEVICES

	Storage Tube Display VT01						
VP15A	Storage Display Unit, Control, and Mounting Hardware	6	None	86	200	5,800	\$3,000 not disc.
	Oscilloscope Display Tektronix RM503 X-Y						
VP15B	Oscilloscope, Control, and Mounting Hardware		None	21	70	3,600	\$ 800 not disc.
	Oscilloscope Display Tektronix RM503 X-Y						
VP15BL	Control, Mounting Hardware, and DEC Type 370 Light Pen		None	24	150	5,225	\$ 800 not disc.
	Oscilloscope Display VR12 X-Y						
VP15C	Display Unit (7" × 9" CRT), Control, and Mounting Hardware		None	38	220	5,250	Yes
	Oscilloscope Display VR12 X-Y						
VP15CL	Display Unit (7" × 9"		None	41	300	6,875	Yes

VP15M	CRT), Control, Mounting Hardware, and DEC Type 370 Light Pen Display Multiplexer for up to 8 VT01's	None				3,900	Yes
VT01	Storage Tube Display *(+\$300 for cables and connectors)	<u>6</u>	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	<u>3, 6</u>	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 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 0.01-Inch Step 12,000 Steps/Minute	3 , 6	DW15A	27	320	13,400	No
XY15BA	0.005-Inch Step 18,000 Steps/Minute	3 , 6	DW15A	32	320	13,400	No
XY15BB	Control Only	3	DW15A	15	200	3,000	No
XY15							

	Notes	Pre-req.	1-Shift Service	Field Inst.	Price	Discount Status
DATA COMMUNICATIONS						
LT19D	Multi-Station Teletype Control Separate Transmit Clock per Channel	3 , 5	DW15A	2	1601,200	Yes
	Accommodates up to 5 LT19E Line Units					
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	1601,200	Yes
KSR-33	Teletype Model 33 Keyboard		None	25	801,200	No

	Send-Receive Unit					
	Teletype Model 33 Automatic					
ASR-33	Send-Receive Unit with Paper Tape Reader and Punch			30	1201,500	No
	Teletype Model 35 Keyboard					
KSR-35	Send-Receive Unit			22	803,000	No
	Teletype Model 35 Automatic					
ASR-35	Send-Receive Unit with Paper Tape Reader and Punch			25	1504,500	No
	Data Communications System					
DP09A	Compatible with EIA RS 232B Interface, Bell System Type 201 Dataphone	3	DW15A	20	2006,000	Yes

INPUT/OUTPUT BUFFERS

	PDP-15 (9 or 9/L) to PDP-15 (9 or 9/L)					
DB99A	Interprocessor Buffer	3, 4	DW15A	15	2507,000	Yes
	PDP-15 (9 or 9/L) to PDP-8 (or 8/I)					
DB98A	Interprocessor Buffer	3, 4	DW15A	15	2507,000	Yes
	18-Bit Relay Output Buffer					
DR09A		3	DW15A	8	3002,000	Yes

DIGITAL-TO-ANALOG OPTIONS

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

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

ANALOG-TO-DIGITAL OPTIONS

	6-12 Bit Analog-to- Digital Converter (conversion time of 9- 35μsec) with Multiplexer						
AF01B	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		AF01B	1	8	65	Yes

	(implements four AF01B Channels)					
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	ADC1/9	14	250	2,500	Yes
AM02A	Mounting Panel and High-Level Analog Input Connectors for 4-128 Channels Implemented by a Maximum of	AM09	None	60	2,200	Yes

	32A122 Switches						
	NOTE: One AM02A is required for each group of 128 Channels						
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)	None	8	60	1,200	No	
A111	Integrating Digital Voltmeter Analog Input Subsystem with Multiplexer Control for 10-1000 3-	AM03	2	40	93	Yes	
AF04B		3 DW15A	100	1050	18,000	No	

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

The AF04B has the following options:

	10-Channel Guarded Reed					
AF04S	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				400.00	No
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SK15-B	<p>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. 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.</p>	80.00	No
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**Price Discount
Status**

CABINETS

H960- A	<p>Free standing cabinet. Includes filter, fan, casters, levelers, rear</p>	650.00	Yes
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mounting panel
 door, door cover,
 end panels, and 63
 inch open front.
 (See Module
 Products price list
 for front options.)

H961- A	H960-A without end panels	430.00	Yes
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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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