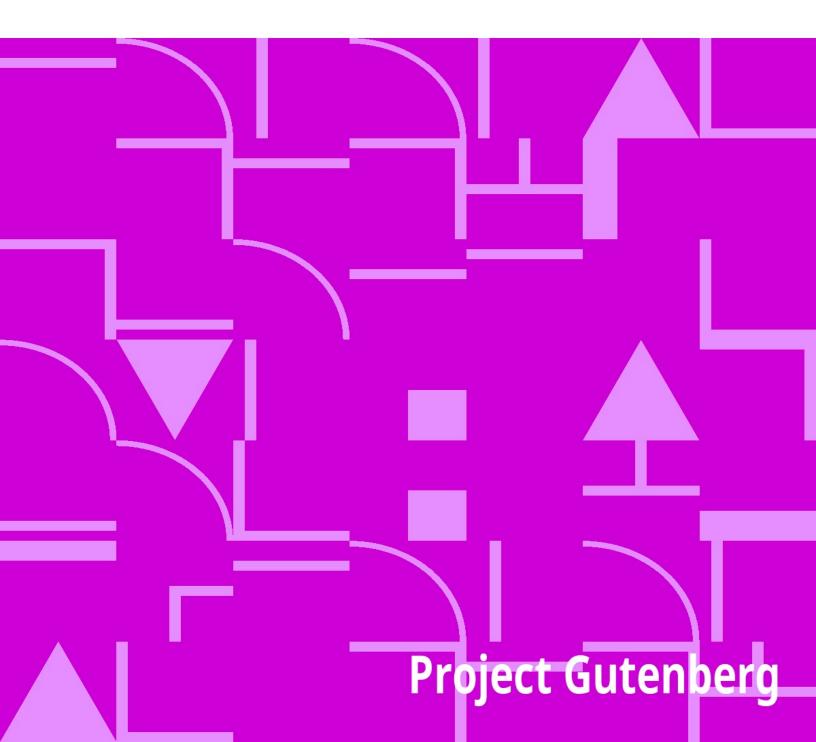
Digital PDP15 Price List, April, 1970

Digital Equipment Corporation



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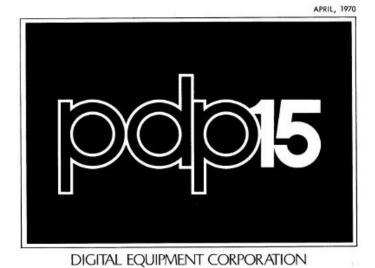
*** START OF THIS PROJECT GUTENBERG EBOOK DIGITAL PDP15 PRICE LIST ***

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DIGITAL PDP15 PRICE LIST; April 1970

digital

PRICE LIST



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PRICE LIST

APRIL, 1970

pdp15

DIGITAL EQUIPMENT CORPORATION

	Price Service	iscount 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	\$36,000 \$278.00	Yes					
8,192 18-bit, 800-ns core memory 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	\$59,200 \$384.00	Yes					
16,384 18-bit, 800-ns core mem KSR-35 Teletype for BACKGROUN KSR-33 Teletype for FOREGROUN LT15A Single-Teletype Control PC15 High-Speed Paper Tape Re KE15 Extended Arithmetic Elem KA15 Automatic Priority Interrup KM15 Memory Protection KW15 Real-Time Clock TC02D DECtape Control 2 TU56 Dual DECtape Transports	ND use ND use ader and Punch ent ot						

PDP-15/40: DISK-ORIENTED BACKGROUND/FOREGROUND \$91,000 \$532.00 Yes SYSTEM

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 <u>1</u> applies to all systems (see last page of price list)

МЕМО	RY EXPANS	Notes	req.	1-Shift Service TIONS		Price	Discount Status
MM15- A	4K Memory Module with Space to Add Additional MK15-A	7	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	<u>2</u>	None	15		1,500	Yes

	Parity for each 4K of Memory added									
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 PR	OCES	SSOR OPTIO	NS						
KA15	Automatic Priority Interrupt		KW15	15	100	3,900	Yes			
KW15	Frequency		None	2	60	500	Yes			
DW15A	Positive to Negative Bus Converter		None	15	100	2,000	Yes			
MASS	STORAGE DE	EVIC	ES							
	DECtape control for up to 4	3	DW15A	20	240	5,400	Yes			

TU56 DECtape transport units					
Dual DECtape Transport		TC02D	12	60 4,700	Yes
Magnetic Tape Transport Control for up to 8 TU20,		DW/15 A			
TU30,	<u>3</u>	KW15	25	400 8,000	Yes
Magnetic Tape Transport					
7-Track, 45 ips					
Tape Transport 200, 556		TC59D	70	400 12,000	No
bpi 9-Track, 45					
Magnetic Tape		TC59D	80	400 13,000	No
800 bpi		TOFOR	00	400 21 000	NI a
7-Irack, 75 ips Magnetic Tape Transport 200, 556		IC59D	80	400 21,000	No
	DECtape transport units Dual DECtape Transport Magnetic Tape Transport Control for up to 8 TU20, TU20A, TU30, TU30A Magnetic Tape Transport Units 7-Track, 45 ips Magnetic Tape Transport 200, 556 and 800 bpi 9-Track, 45 ips Magnetic Tape Transport 200, 556 and 800 bpi 7-Track, 45 ips Magnetic Tape Transport 800 bpi 7-Track, 75 ips Magnetic Tape Transport	DECtape transport units Dual DECtape Transport Magnetic Tape Transport Control for up to 8 TU20, TU20A, TU30A Magnetic Tape Transport Units 7-Track, 45 ips Magnetic Tape Transport 200, 556 and 800 bpi 9-Track, 45 ips Magnetic Tape Transport 200, 556 and 800 bpi 7-Track, 75 ips Magnetic Tape Transport 800 bpi 7-Track, 75 ips Magnetic Tape Transport Tansport	DECtape transport units Dual DECtape Transport Magnetic Tape Transport Control for up to 8 TU20, TU20A, TU30A, TU30A Magnetic Tape Transport Units 7-Track, 45 ips Magnetic Tape Transport 200, 556 and 800 bpi 9-Track, 45 ips Magnetic Tape Transport 200, 556 and 800 bpi 9-Track, 45 ips Magnetic Tape Transport 800 bpi 7-Track, 75 ips Magnetic Tape Transport 800 bpi 7-Track, 75 ips Magnetic Tape Transport TC59D	DECtape transport units Dual DECtape TC02D 12 Transport Magnetic Tape Transport Control for up to 8 TU20, TU20A, TU30A Magnetic Tape Transport Units 7-Track, 45 ips Magnetic Tape Transport 200, 556 and 800 bpi 9-Track, 45 ips Magnetic Tape Transport 200, 556 and 800 bpi 9-Track, 45 ips Magnetic Tape Transport 200, 556 and 800 bpi 7-Track, 75 ips Magnetic Tape Transport 800 bpi 7-Track, 75 ips Magnetic Tape Transport TC59D 80 Transport TC59D 80 Transport TC59D 80 Transport TC59D 80 Transport TC59D	DECtape transport units Dual DECtape Transport Magnetic Tape Transport Control for up to 8 TU20, TU20A, TU30A Magnetic Tape Transport Units 7-Track, 45 ips Magnetic Tape Transport 200, 556 and 800 bpi 9-Track, 45 ips Magnetic Tape Transport 800 bpi 7-Track, 75 ips Magnetic Tape Transport

TU30A	and 800 bpi 9-Track, 75 ips Magnetic Tape Transport 800 bpi DECdisk	TC59D	90	400 22,000	No
RF15	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 Includes one RP02P	RP15	100	400 26,000	No
RP02P	Disk Pack Disk Pack			650	No

Notes Prereq. 1-Shift Field Price Discount Service Inst. Price Status

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

	CRT), Control, Mounting Hardware, and DEC Type 370 Light Pen						
VP15M	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 I	_						
CR03B	Card Reader —200 cpm Reader and Control	<u>3</u> , <u>6</u>	DW15A	50	240	5,200	No
PAPER	TAPE INPUT						
PC15	Paper Tape Station—300 cps Reader 50 cps Punch		None	24	320	3,900	Yes

PRINTE	RS								
LP15F	Line Printer —356 lpm 80 column Line Printer and Control		None	110	250	L4,000	No		
LP15C	Line Printer —1000 lpm 132 column Line Printer and Control		None	135	280 4	10,000	No		
CALCOMP PLOTTERS AND CONTROL									
	12-Inch Drum	Plotte	r, Model 565	, and	Contr	ol			
XY15AA	0.01-Inch Step 18,000 Steps/Minute	<u>3</u> , <u>6</u>	DW15A	22	280	8,900	No		
XY15AB	0.005-Inch Step 18,000 Steps/Minute	<u>3</u> , <u>6</u>	DW15A	27	280	8,900	No		
	31-Inch Drum	Plotte	r, Model 563	, and	Contr	ol			
XY15BA	0.01-Inch Step 12,000 Steps/Minute 0.005-Inch	<u>3</u> , <u>6</u>	DW15A	27	320 1	13,400	No		
XY15BB	Step 18,000 Steps/Minute	<u>3</u> , <u>6</u>	DW15A	32	320 1	L3,400	No		
XY15	Control Only	<u>3</u>	DW15A	15	200	3,000	No		

Notes Prereq. 1-Shift Field Price Discount Service Inst. Price Status

DATA COMMUNICATIONS

	Multi-Station Teletype Control Separate						
LT19D	Transmit Clock per Channel Accommodates up to 5 LT19E Line Units Line Unit	<u>3</u> , <u>5</u>	DW15A	2	160 1	L,200	Yes
LT19E	(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
	Cable Set for Interprocessor Buffer for use						
LT19H	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		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			30	120 1	,500	No
	with Paper Tape						

	Reader and Punch					
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	<u>3</u>	DW15A	20	200 6,000	Yes
INPUT	OUTPUT BUFFE	RS				
DB99A	PDP-15 (9 or 9/L) to PDP-15 (9 or 9/L) Interprocessor Buffer	<u>3</u> , <u>4</u>	DW15A	15	250 7,000	Yes
DB98A	PDP-15 (9 or 9/L) to PDP-8 (or 8/I) Interprocessor Buffer	<u>3</u> , <u>4</u>	DW15A	15	250 7,000	Yes
DR09A	18-Bit Relay Output Buffer	<u>3</u>	DW15A	8	300 2,000	Yes
DIGIT	AL-TO-ANALOG O	PTIO	NS			
AA15A	Multiplexer Control for up to 16 12-Bit Digital-to-Analog				2,600	Yes

Converter
Channels
Type AAC2
Digital-to-Analog
Converter
AAC2

Single Buffered, 0V to ±10V AA15 350 Yes

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

ANALOG-TO-DIGITAL OPTIONS 6-12 Bit Analog-to-Digital Converter (conversion time of 9- $35\mu sec)$ with Multiplexer AF01B 3 DW15A 8 240 5,000 Yes Control. Uses A121 Switches to implement up to 64 Single-Ended, High-Level (0V to -10V) Analog Inputs. 4-Channel FET Multiplexer Switch A121 1 AF01B 8 65 Yes (implements four AF01B Channels) AH02 One-Channel 150 AF01B 6 500 Yes of Sampleand-Hold (Used

between Analog-to- Digital Converter and Multiplexer or with AC01B)						
Scaling Amplifier		AF01B	1	100	300	Yes
8-Channel Sample-and- Hold Control 6-12 Bit Analog-to-		1-AH02 per channel	25	250	1,600	Yes
Converter for single- ended, high- level (0V to -10V) Analog	<u>3</u>	DW15A	8	160	3,265	Yes
Multiplexer Control for 1024 Channels		ADC1/9	14	250	2,500	Yes
Mounting Panel and High-Level Analog Input Connectors for 4-128 Channels Implemented by a Maximum of 32A122 Switches NOTF: One AM02	A is	AM09	None r each o			Yes
4-Channel FET Multiplexer	A 13	AM02	1	60 60	65	Yes
	Analog-to-Digital Converter and Multiplexer or with AC01B) Scaling Amplifier 8-Channel Sample-and-Hold Control 6-12 Bit Analog-to-Digital Converter for single-ended, high-level (0V to -10V) Analog inputs Multiplexer Control for 1024 Channels Mounting Panel and High-Level Analog Input Connectors for 4-128 Channels Implemented by a Maximum of 32A122 Switches NOTE: One AM02 4-Channel FET	Analog-to-Digital Converter and Multiplexer or with AC01B) Scaling Amplifier 8-Channel Sample-and-Hold Control 6-12 Bit Analog-to-Digital Converter for single- ended, high- level (0V to -10V) Analog inputs Multiplexer Control for 1024 Channels Mounting Panel and High-Level Analog Input Connectors for 4-128 Channels Implemented by a Maximum of 32A122 Switches NOTE: One AM02A is 4-Channel FET Multiplexer	Analog-to-Digital Converter and Multiplexer or with AC01B) Scaling Amplifier 8-Channel Sample-and-Hold Control 6-12 Bit Analog-to-Digital Converter for single-ended, high-level (0V to-10V) Analog inputs Multiplexer Control for 1024 Channels Mounting Panel and High-Level Analog Input Connectors for 4-128 Channels Implemented by a Maximum of 32A122 Switches NOTE: One AM02A is required for 4-Channel FET Multiplexer AM02	Analog-to-Digital Converter and Multiplexer or with AC01B) Scaling Amplifier AF01B 1 8-Channel 1-AH02 Sample-and-Hold Control Channel 6-12 Bit Analog-to-Digital Converter for single-ended, high-level (0V to -10V) Analog inputs Multiplexer Control for 1024 Channels Mounting Panel and High-Level Analog Input Connectors for 4-128 AM09 None Maximum of 32A122 Switches NOTE: One AM02A is required for each gaster and FET Multiplexer AM02 1	Analog-to-Digital Converter and Multiplexer or with AC01B) Scaling AF01B 1 100 Amplifier 8-Channel 1-AH02 Sample-and- per 25 250 Hold Control channel 6-12 Bit Analog-to-Digital Converter for single- and- per dended, high-level (0V to -10V) Analog inputs Multiplexer Control for 1024 Channels Mounting Panel and High-Level Analog Input Connectors for 4-128 AM09 None 60 Hold Control for 1024 Channels Implemented by a Maximum of 32A122 Switches NOTE: One AM02A is required for each group 4-Channel FET Multiplexer AM02 1 60	Analog-to-Digital Converter and Multiplexer or with AC01B) Scaling Amplifier AF01B 1 100 300 Amplifier Amministry Amplifier Amministry Amministr

AM03	Mounting Panel and Low-Level (differential) Quick- Disconnect Analog Input Connectors for 2-64 Channels Implemented by a Maximum of 32-A111 Switches		AG01 AM09	None	60	1,500	Yes
AG01	Differential Amplifier 2-Channel Multiplexer Switch		None	8	60	1,200	No
A111	(guarded James MicroScan relay)		AM03	2	40	93	Yes
AF04B	Integrating Digital Voltmeter Analog Input Subsystem with Multiplexer Control for 10- 1000 3-wire High or Low Level Differential Analog Inputs (±10 mV to ±300V full scale ranges with programmable	<u>3</u>	DW15A	100	1050	18,000	No

```
range and
       auto-ranging).
       Includes
       mounting
       panel for 200
       channels
The AF04B has the following options:
       10-Channel
       Guarded Reed
                                                40
AF04S Relay
                            AF04B
                                           2
                                                     330
                                                             No
       Multiplexer
       Switch
       Expansion
       Mounting
       Panel for 200
       Channels
AF04X (one required
                                                60 1,800
                            AF04B
                                           4
                                                             No
       for each
       additional 200
       channel
       group)
SUPPLIES KITS
SK15-A For PDP-
                                                   400.00
                                                             No
       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. For PDP-15/10 **Systems** Contains 2 teletype ribbons, 2 boxes of rolled, non-80.00 SK15-B perforated No teletype paper, 1 case of fanfold paper tape, 6 paper tape plastic storage trays.

		Drica	iscount 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	650.00	Yes	
Α	Module Products price list for front options.) 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.	100.00	Voc
BC09A 2 foot	180.00	Yes
7 foot	190.00 210.00	Yes
15 foot		Yes
25 foot For connecting positive logic devices to the positive PDP- 15 bus.	230.00	Yes
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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