

digital equipment corporation

pdp12

PRICE LIST EFFECTIVE JANUARY 1971

CONFIGURATIONS AND PRICES

PDP-12/10 BASIC LABORATORY INSTRUMENT SYSTEM

PDP-12 Dual Instruction set Central Processor
4096 12-bit, 1.6 μ s Core Memory
Direct Memory Access Channel
6 Sense Switches
Hardware Signed Multiply Instruction (9 μ s)
15 Auto-Index Registers
12 Sense Line Inputs
30" Freestanding Cabinet
AD12 Analog-to-Digital Converter and Multiplexer, 16 Channels (8 knobs),
10-bit accuracy, Sample and Hold, Differential Preamplifiers,
69 kHz conversion rate, expandable to 32 Channels
DR12 6 Programmable SPDT Relays
Data Terminal Panel
ASR-33 Teletypewriter, 10 Char/Sec Paper Tape Reader and Punch

1 Shift Maintenance \$140

\$15,900

PDP-12/20 LABORATORY INSTRUMENT COMPUTER-LINC

Consisting of a PDP-12/10 with:

PDP-12 Dual Instruction set Central Processor
4096 12-bit, 1.6 μ s Core Memory
Direct Memory Access Channel
AD12 Analog-to-Digital Converter and Multiplexer,
16 Channels (8 knobs), 10-bit accuracy, Sample and
Hold, Differential Preamplifiers, 69 kHz conversion
rate, expandable to 32 Channels
DR12 6 Programmable SPDT Relays
Data Terminal Panel
ASR-33 Teletypewriter, 10 Char/Sec Paper Tape Reader and Punch
6 Sense Switches
Hardware Signed Multiply Instruction (9 μ s)

digital

15 Auto-Index Registers
12 Sense Line Inputs
30" Freestanding Cabinet
Console Table

plus:

KF12 Multi-level automatic priority interrupt
TC12 LINCtape Automatic Control, fully buffered, DMA Transfer
TU56 Dual Tape Transport – LINCtape
VC12 LINCscope Control and Character Buffer, 2 Intensity Channels,
2 sized Characters
VR14 7" x 9" CRT Display

1 Shift Maintenance \$240

\$29,900

PDP-12/30 ADVANCED LINC

Consisting of a PDP-12/20 with:

PDP-12 Dual Instruction set Central Processor
4096 12-bit, 1.6 μ s Core Memory
Direct Memory Access Channel
KF12 Multi-level automatic priority interrupt
TC12 LINCtape Automatic Control, fully buffered,
DMA Transfer
TU56 Dual Tape Transport – LINCtape
VC12 LINCscope Control and Character Buffer,
2 Intensity Channels, 2 sized Characters
VR14 7" x 9" CRT Display
AD12 Analog-to-Digital Converter and Multiplexer,
16 Channels (8 knobs), 10-bit accuracy, Sample and Hold,
Differential Preamplifiers, 69 kHz conversion rate, expandable
to 32 Channels
DR12 6 Programmable SPDT Relays
Data Terminal Panel
ASR-33 Teletypewriter, 10 Char/Sec Paper Tape Reader and Punch
6 Sense Switches
Hardware Signed Multiply Instruction (9 μ s)
15 Auto-Index Registers
12 Sense Line Inputs
30" Freestanding Cabinet
Console Table

plus:

MC12 4K memory extension
KW12-A Real Time Clock

1 Shift Maintenance \$265

\$35,900

PDP-12/40 SUPER LINC

Consisting of a PDP-12/30 with:

- PDP-12 Dual Instruction set Central Processor
- 4096 12-bit, 1.6 μ s Core Memory
- Direct Memory Access Channel
- KF12 Multi-level automatic priority interrupt
- MC12 4K memory extension
- KW12-A Real Time Clock
- TC12 LINCtape Automatic Control, fully buffered,
DMA Transfer
- TU56 Dual Tape Transport – LINCtape
- VC12 LINCscope Control and Character Buffer, 2 Intensity Channels,
2 sized Characters
- VR14 7" x 9" CRT Display
- AD12 Analog-to-Digital Converter and Multiplexer,
16 Channels (8 knobs), 10-bit accuracy, Sample and Hold,
Differential Preamplifiers, 69 kHz conversion rate, expandable
to 32 Channels
- DR12 6 Programmable SPDT Relays
- Data Terminal Panel
- ASR-33 Teletypewriter, 10 Char/Sec Paper Tape Reader and Punch
- 6 Sense Switches
- Hardware Signed Multiply Instruction (9 μ s)
- 15 Auto-Index Registers
- 12 Sense Line Inputs
- 30" Freestanding Cabinet
- Console Table

plus:

FPP-12 Floating Point Processor
for parallel operation. Floating point
data (3 word) and double-precision
fixed-point data (2 word).

1 Shift Maintenance \$310

\$42,900

PDP-12 LDP LABORATORY DATA PROCESSOR

Consisting of a PDP-12/40 with:

- PDP-12 Dual Instruction set Central Processor
- 4096 12-bit, 1.6 μ s Core Memory
- Direct Memory Access Channel
- KF12 Multi-level automatic priority interrupt
- MC12 4K memory extension
- KW12-A Real Time Clock

FPP-12 Floating Point Processor
 TC12 LINCtape Automatic Control, fully buffered,
 DMA Transfer
 TU56 Dual Tape Transport – LINCtape
 VC12 LINCscope Control and Character Buffer,
 2 Intensity Channels, 2 Sized Characters
 VR14 7" x 9" CRT Display
 AD12 Analog-to-Digital Converter and Multiplexer,
 16 Channels (8 knobs), 10-bit accuracy, Sample and Hold,
 Differential Preamplifiers, 69 kHz conversion rate, expandable
 to 32 Channels
 DR12 6 Programmable SPDT Relays
 Data Terminal Panel
 ASR-33 Teletypewriter, 10 Char/Sec Paper Tape Reader and Punch
 6 Sense Switches
 Hardware Signed Multiply Instruction (9 μ s)
 15 Auto-Index Registers
 12 Sense Line Inputs
 30" Freestanding Cabinet
 Console Table

plus:

AIP-12 – Analytical Instrument Package
 A/D Converter, 4 channels, expandable to 16,
 12-bit accuracy, 35 kHz conversion rate, data
 break multiplexer, differential inputs, input range
 ± 2 volts, bipolar, optional bi- or uni-polar ranges
 from 1 to 10 volts available, 3 12-bit digital output
 words, 2 18-bit digital inputs.

1 Shift Maintenance \$375

\$47,900

TSS/12 MULTIPLE LANGUAGE TIMESHARING SYSTEM

PDP-12/20 plus
 MC12, MM8/I-A or B Additional Core Storage
 RF08 Disk Controller
 RS08 Disk Transports
 KT12 Timeshare Hardware
 DW08-A Bus Level Converter
 DC02-F Multiple Teletype Control - 8 channel
 DC02-G Terminal Interface (one per terminal)
 H961C Option Cabinet
 Timeshare Software

Four User Configuration	(12K core)	\$64,430 + 3 Terminals
Eight User Configuration	(16K core)	\$70,830 + 7 Terminals
Sixteen User Configuration	(16K core)	\$76,330 + 15 Terminals

Description	Type No.	Pre-requisites	Field Install.	1 Shift Service	Mfg. Info.	Discountable	Price
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PERIPHERAL PROCESSORS

Floating Point Processor for parallel operation. Floating point data (3 word) and double-precision fixed-point data (2 word)	FPP12	PDP-12, AIP12, or DM04 (DM01) [†]	\$360	\$45	D	Y	\$ 9,900
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REAL TIME CLOCKS

Programmable Interval, Crystal Controlled, Pulse Inputs, Presetable, Variable count rate, "on-the-fly" readouts. Event counter.	KW12-A	PDP-12	\$100	\$ 5	A	Y	\$ 2,000
Clock, interval interrupt-time interval adjustment from 5 μ s to 0.1 sec (RC)	KW12-B	PDP-12	60	1	A	Y	300
Clock, time interval-time interval can be specified in the range 5 μ s to 200 μ s (crystal)	KW12-C	PDP-12	60	1	A	Y	300

ARITHMETIC OPTION

Automatic Multiply/Divide and Shift for PDP-8 Programs	KE12	PDP-12	\$150	\$ 6	A	Y	\$ 1,000
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PRIORITY INTERRUPT

Automatic Priority Interrupt (multilevel)	KF12	PDP-12			A	Y	\$ 1,000
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POWER FAIL/RESTART

Enables Power Failure and Restart Interrupts	KP12	PDP-12	\$100	\$ 2	A	Y	\$ 500
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TIME SHARE OPTION

Hardware instruction trap for 8-mode instructions	KT12	PDP-12	\$200	\$ 8	A	Y	\$ 2,500
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ADDITIONAL CORE STORAGE

Memory Extension Control and 4096 words of 1.6 μ s memory	MC12	PDP-12	\$150	\$20	A	Y	\$ 4,000
Additional 4K memory Module	MM8I-A	PDP-12 & MC12	175	20	C	Y	5,600
Additional 8K memory Module	MM8I-B	PDP-12 & MC12	200	30	C	Y	10,000

DISK STORAGE

Disk Control and 1 Disk File (32K words) 33 μ s/word transfer rate	DF32-DP	PDP-12 *DM04	\$320	\$20	C	Y	\$ 6,000
Expander Disk File for DF32-D	DS32-D	DF32-D	200	10	C	Y	3,500

* Type DM01 or DM04 Memory Access Multiplexer is required when more than one device other than LINCtape Control (TC12) is to be connected to the DATA Break Facility.

[†] FPP-ASSEMBLER requires 8K memory.

Description	Type No.	Pre-requisite	Field Install.	1 Shift Service	Mfg. Info.	Discountable	Price
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DISK STORAGE (cont.)

Disk Control (negative bus) and 1 disk file (32K) with 66 μ s/word transfer rate	DF32	PDP-12 *DM04 DW08-A	\$320	\$20	C	Y	\$ 6,000
Expander Disk File (32K words) Max. of 4 total, per control	DS32	DF32	200	10	C	Y	3,500
Disk Control Unit – For up to 4 RS08 Disks, 1.6 μ s transfer rate	RF08	PDP-12 *DM04	220	20	D	Y	6,000
Disk File – 256K words	RS08	RF08	260	30	C [†]	Y	9,000
Disk Control and first transport (800K words)	RK8-P	PDP-12 *DM04	560	68	D	N	12,900
Disk transport for RK8 – Maximum of 3 additional per control. Specify Drive # for additional units	RK01	RK8	260	35	C [†]	N	7,000
Disk Cartridge	RK01-K	RK8, RK01	N.A.	N.A.			100

PAPER TAPE

High Speed Paper Tape Reader 300 Char/sec	PR12	PDP-12 BA12	\$160	\$10	C	Y	\$ 2,400
High Speed Paper Tape Punch 50 Char/sec	PP12	PDP-12 BA12	160	14	C	Y	2,000
Combination of PR12 and PP12	PC12	PDP-12 BA12	320	24	C	Y	3,900

MAGNETIC TAPE

LINCtape Fully Automatic Control Unit – up to 8 transports. Utilizes separate Direct Memory Access Transfer	TC12	PDP-12	\$150	\$15	A	Y	\$ 5,900
DECTape/LINCtape format converter	TC12-F	PDP-12 TC12	100	1	A	Y	500
Dual LINCtape Transport ^{††}	TU56	TC12	60	22	B or C	Y	4,700
Automatic Tape Control – up to 8 transports (IBM compatible)	TC58	PDP-12 *DM01 DW08-A	\$400	\$25	D	Y	\$10,000
DEC Magtape Transport – 7 Channel 200/556/800 BPI	TU10-F ^{†††}	TC58	400	70	D	Y	6,950
9 Channel Version of TU10-F (800 BPI)	TU10-E ^{†††}	TC58	400	70	D	Y	6,950
Automatic Tape Control up to 2 transports (IBM compatible)							
For one tape unit:	TR05-AA	PDP-12+	100	25			5,800
For two tape units:	TR05-AB	DM04	100	35			6,800
Magnetic Tape Transport							
7 tracks 800/200 BPI	TU68A	TR05-A	145	50			4,800
7 tracks 800/556 BPI	TU68B	TR05-A	145	50			4,800
9 tracks 800 BPI	TU68C	TR05-A	145	55			4,800

CARD READERS

200 Card Per Minute Reader-Punched Cards Only	CR12	PDP-12 BA12	\$240	\$50	B + E	N	\$ 4,500
Mark sense card reader – also reads punched holes on mark sense cards	CM12	PDP-12 BA12	240	50	B + E	N	4,900

* Type DM01 or DM04 Memory Access Multiplexer is required when more than one device other than LINCtape Control (TC12) is to be connected to the DATA Break Facility.

† Each two (2) additional Disks require 1 separate cabinet.

†† TU56 can also be used with TC08 DECTape Controller.

††† A = 115V, 60 Hz; B = 230V, 60 Hz; C = 115V, 50 Hz; D = 230V, 50 Hz.

Description	Type No.	Pre-requisites	Field Install.	1 Shift Service	Mfg. Info.	Discountable	Price
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CRT DISPLAYS

POINT PLOTTING

Scope Control with Character Buffer, 2 Channel Inten., 2 Channel D/A Converter	VC12	PDP-12	\$100	\$ 7	A	Y	\$ 1,900
7" x 9" CRT Display with slides	VR14*	VC12	100	18	B	Y	3,000
Table top 7" x 9" CRT display with cover	VR14*	VC12	100	18	B	Y	3,000
Controller Adapter to adapt VC12 output to control Tektronix RM503 (with 25 ft. cable)	VC12-N	VC12	100	7	A	N	200
Oscilloscope Display (Tektronix RM503) and Mounting Hardware	VR01-A	VC12-N	90	2	C	N	1,000
Oscilloscope Display (Tektronix RM564) and Mounting Hardware	VR02-A	VC12-N	90	3	C	N	1,940
Extension Cable for display scope (maximum of 200')	BC12-A		Per call basis	N.C.	-	Y	\$50+\$1/ft.

PLOTTERS

Control for Incremental Plotter	XY12	PDP-12	\$ 50	\$ 4	A	Y	\$ 500
12" Incremental Plotter (Houston Complot)	VP12-A**	XY12	200	22	Table	N	5,200
12" Incremental Plotter (CalComp)	VP12-B**	XY12	200	22	Table	N	5,400
30" Incremental Plotter (CalComp)	VP12-C**	XY12	240	27	Table	N	9,400

LINE PRINTERS

300 LPM, 132 Columns, 64 Characters	LP12	PDP-12 BA12	\$360	\$108	D	N	\$25,000
356 LPM, 80 Columns, 64 Characters	LP08-F(Y) [†]	PDP-12	200	55	D	N	12,000
253 LPM, 80 Columns, 96 Characters	LP08-H(Y) [†]	PDP-12	200	55	D	N	13,500

DATA COMMUNICATIONS

Multiple Terminal Control for up to 8 lines (4 DC02Fs permitted per PDP-12; specify up to 3 baud rates per DC02F)	DC02-F	PDP-12	\$100	\$ 6	C	Y	\$ 1,500
Module set for DC02-F 1 required for each remote terminal; specify baud rate	DC02-G	DC02-F	10	2	C	Y	500
Cable for DC02-G; 25 feet with 25 pin Cannon connector	BC01A-25	DC02-G	5	1		Y	100
Multiple Teletype Control - up to 4 lines	DC02-E	PDP-12, BA12	\$100	\$ 6	C	Y	\$ 400
Module set for each Teletype	DC02-D	DC02-E	10	3	C	Y	500/line
Serial-line Interface, Full Duplex, Asynchronous, 110 Baud for TTY operation	DP12-A	PDP-12	100	4	A	Y	700
Data-phone Interface, Full Duplex, Asynchronous, up to 100K Baud crystal controlled, EIA interface levels available (specify baud rate)	DP12-B	PDP-12	100	5	A	Y	900

*Specify voltage and frequency

**Step sizes (.01", .005", .1 mm) must be specified.

† A Positive Bus, 60 Hz; B Positive Bus, 50 Hz; C Negative Bus, 60 Hz; D Negative Bus, 50 Hz.

Description	Type No.	Pre-requisites	Field Install.	1 Shift Service	Mfg. Info.	Discountable	Price
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WRITING TABLET

Writing tablet, pen, spark digitizer and controller	VW01-AP	PDP-12	*	*	C	*	\$ 5,200
Multiplexer (controls up to 4 tablets)	*	VW01-AP	*	*	C	*	1,000
Additional writing tablet and pen assy. (up to 4 tablets per system, maximum)	*	VW01-AP and Multiplexer	*	*	C	*	2,000

TERMINALS

DECwriter 30 Char/sec, 80 Columns, Keyboard send/receive unit with parallel to serial interface	LA30	} PDP-12 or DP12 or DC02	\$120	\$30		Y	\$ 3,000
Keyboard Send/Receive	KSR-33		80	25		N	1,200
Automatic Send/Receive, Paper Tape Reader and Punch	ASR-33		120	30		N	1,500
Heavy Duty KSR	KSR-35		80	22		N	3,000
Heavy Duty ASR	ASR-35		150	25		N	4,500
Alphanumeric Terminal, 64 character keyboard + display, solid-state technology, send/receive at 110, 150, 300, 600, 1200, 2400 Baud switch selectable	VT06		60	35		N	4,900

RELAY BUFFERS

6 SPDT Programmable Relays Closures	DR12	PDP-12	\$100	\$ 5	B	Y	\$ 500
6 additional relays	DR12-X	PDP-12	50	5	B	Y	800
12 additional relays	DR12-XM	PDP-12	60	10	B	Y	1,300

DIRECT MEMORY ACCESS MULTIPLEXER

Positive Bus Multiplexer to allow up to 4 devices to access memory	DM04	PDP-12	\$320	\$ 9	C	Y	\$ 1,500
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DATA BUFFERS

Provides one 12-bit input bus driver and one 12-bit output buffer register for input and output data transfers on the I/O bus (Positive output)	DB12-P	BA12	\$100	\$ 3	C	Y	\$ 250
Same as DB12-P except for negative output	DB12-N	BA12	100	3	C	Y	250

PERIPHERAL EXPANDER

Includes Mounting Hardware and Wiring for Additional Options PP12, PR12, PC12, CR12, LP12, DC02, DB12	BA12	PDP-12	\$ 60	\$ 5	C	Y	\$ 1,200
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*Information not available at print date.

Description	Type No.	Pre-requisites	Field Install.	1 Shift Service	Mfg. Info.	Discountable	Price
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I/O BUS LEVEL CONVERTER

Provides Negative I/O Bus for use with Negative I/O Bus Options	DW08-A	PDP-12	\$160	\$ 5	C	Y	\$ 1,500
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ANALYTICAL INSTRUMENTATION PERIPHERALS

Analytical Instrument Package A/D Converter, 4 Channels, expandable to 16, 12-bit accuracy, 33 kHz conversion rate, data break multiplexer, differential inputs, input range ± 2 volts, bipolar, optional bi- or uni-polar ranges from 1 to 10 volts available, 3 12-bit digital output words, 2 18-bit digital inputs	AIP12 [†]	PDP-12	\$475	\$65	D	Y	\$ 6,000
Optional 15-bit A/D converter instead of 12-bit, 50-kHz conversion rate	AIP12-C	PDP-12, AIP12			D	Y	2,500
Additional set of 4 analog channels with one sample and -hold	AIP12-E	PDP-12, AIP12			D	Y	1,000
BCD input with BCD-to-binary converter, 8 digits	AIP12-D	PDP-12, AIP12			D		1,000

Wide variety of instrument interfaces available on request.

INTERFACING ACCESSORIES

Front Panel Access to I/O Bus, External Sense Lines, 5 Volt Power Supply	H309-A	PDP-12	\$ 50	\$ 1	A	Y	\$ 500
Bus Access Option (as above) for H-961 19" Cabinet	H309-B	PDP-12	50	1	C	Y	500
Hardware Kit for Fabricating Interface Modules	H311					Y	85
Interface Module Test Assembly	H310	H309				Y	50
Engineering Curriculum Package (H309-A or B, 3 H310, 10 H311, 3 cables BC08-A-3, 10 Textbooks, 180 ICs wire)	EC P01	PDP-12	50	1			1,935

ANALOG-TO-DIGITAL SUBSYSTEMS

A/D Converter and Multiplexer: 16 Channels (8 knobs), 10-bit Accuracy, Sample & Hold, Diff. Preamps, 14.5 μ s Conversion	AD12	PDP-12	\$100	\$ 5	A	Y	\$ 2,500
Expansion of AD12 to 32 Channels ^{††}	AM12	AD12	50	3	B	Y	220
16 Additional Preamps	AG12	AM12	100	3	B	Y	700
Preamp/knobs selection of first 8 channels of AD12 with phone plug	AG12-A	AD12	100	2	B	Y	1,100

[†] 50/60 Hz; A = 115V, B = 230V

^{††} Can expand AD12 to 128 channels with AD12M and 2AD12S's. Contact PDP-12 Marketing for details.

Description	Type No.	Pre-requisites	Field Install.	1 Shift Service	Mfg. Info.	Discountable	Price
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ANALOG-TO-DIGITAL SUBSYSTEMS (cont.)

A/D Converter and Multiplexer, Selectable 6–12 Bit Word Length, 9–45 μ s Conversion Time, 64 Channels Maximum. Using A121 Switches, single ended input 0 to -10V, other ranges by using AH03	AF01-A	PDP-12, DW08	\$320	\$ 9	C	Y	\$ 5,000
Multiplexer Switch Implements 4 Channels	A121	AF01-A	8	1		Y	65
Sample and Hold – w/P.S.	AH02	AF01-A or AM02-A or B	150	6		Y	500
Input Amplifier	AH03	AF01-A or AM02-A or B	100	1		Y	300
Eight-Channel Sample and Hold Control – Requires AH02 for each channel implemented	AC01-A	AF01-A or AM02-A or B	250	25		Y	1,600

High-level, single-ended A/D subsystem similar to AF01-A, but up to 1024 channels (ADC81, AM08, AM02, A122)	AF02-A						
A/D converter, 11 bits plus sign for bipolar signals, input ± 5 , or ± 10 volts	ADC81	PDP-12	320	14		Y	3,500
Multiplexer Control for up to 1024 Channels (Cabinet included for 1st 512 Channels)	AM08	ADC81	115	7	D	Y	2,500
Hi-Level Switch Mounting and Connector Panel (128 Channels)	AM02-A	AM08	60	NC	D	Y	2,200
Hi-Level Switch Mounting and Connector Panel (256 Channels)	AM02-B	AM08	\$ 60	NC	D	Y	\$ 4,400
4 Channel multiplexer switch	A122	AM02	8	\$ 1		Y	65

Guarded Scanning Digital Voltmeter System – up to 1000 Three-Wire Channels IDVM and 200 Channel Multiplex Control	AF04-A	PDP-12	1,050	100	D	N	18,000
200 Channel Expansion Chassis	AF04-X	AF04-A	60	4	D	N	1,800
Group of ten (10) Channels Implemented (guarded reed relay MUX Switch)	AF04-S	AF04-A or AF04-X	40	2	D	N	330

LOW LEVEL, DIFFERENTIAL ANALOG INPUT SYSTEM (up to 1024 channels)

Master file up to 128 channels (by add'l 3 AM07-B) incl. 12-bit A/D converter	AFC8-P	PDP-12 + H964A or C	\$ 80	\$35		Y	\$ 5,000
Single cabinet with logic power supply and H964MA	H964A		30	2		Y	1,475
Dual Cabinet	H964C		70	2		Y	2,000
Expander file up to 192 channels by 5 additional AM07-B	AFC8-X	AFC8-P	95	20		Y	1,900
File units (control logic for up to 32 channels)	AM07-B	AFC8-P or X	30	3		Y	300

Description	Type No.	Pre-requisites	Field Install.	1 Shift Service	Mfg. Info.	Discountable	Price
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LOW LEVEL, DIFFERENTIAL ANALOG INPUT SYSTEM (cont.)

8 channel flying capacitor multiplexer	BA150	AM07-B	\$ 40	\$ 4		Y	\$ 300
8 channel signal conditioning modules: Direct signal	BA903	BA150		N.A.		Y	40
Voltage/voltage	BA904	BA150		N.A.		Y	150
Current/voltage	BA905	BA150		N.A.		Y	80
Screw terminals	BC90C	2 BA903 or 904 or 905		N.A.		Y	80

DIGITAL INPUT/OUTPUT SUBSYSTEM UDC8

Master file up to 16 digital words (192 pts) by adding 3 DD02s	UDC8-P	PDP-12 + H964A or C	\$ 55	\$ 9		Y	\$ 2,100
Expander file, up to 24 digital words	UDC8-X	UDC8-P	25	3		Y	500
File unit, control logic for 4 digital words	DD02	UDC8-P or X	20	2			300
Functional I/O modules (1 per word)							
Contact sense	BW730		4	1			120
Contact interrupt	BW732		9	2			280
Single-shot driver	BM686		8	2			120
Single-shot relay	BM806	UDC8-P or X	15	2			480
Flip-flop driver	BM684	+ DD02	4	1			120
Flip-flop relay	BM804		12	2			400
Latching relay	BM802		15	2			460
Signal Conditioning Modules:							
Common power	BW400	One per functional					\$ 120
Isolated power	BW402	I/O module					25
Screw terminal/cable assembly for 1 word	BC40C-4	One per signal. Conditioning mod- ule					60

DIGITAL-TO-ANALOG SUBSYSTEMS

D/A Controller for 1 to 6 converter mod- ules (BA614)	AA50-AP	PDP-12	\$100	\$10			\$ 1,500
One channel of 12-bit bipolar D/A conver- sion	BA614	AA50-AP	60	5			375
AA50-AP and 3 to 6 channels of BA614			250				
Multiplexer Control for up to 24 10-bit D/A Channels Types A608, 609, 610, 611	AA05-C	PDP-12 DW08-A	150	5	D	Y	5,500
Expansion of AA05-A to 64 Channels	AA07-C	AA05-C	170	5	D	Y	2,900
10-Bit D/A, Single Buffered (0 - 10V)	A608	AA05-C	60	5		Y	350
10-Bit D/A, Single Buffered (0 ±5, ±10)	A609	AA05-C or	60	5		Y	375
10-Bit D/A, Double Buffered (0 ±10)	A610	AA07-A	60	5		Y	400
10-Bit D/A, Double Buffered (0 ±5, ±10)	A611		60	5		Y	425
Reference Supply, Drives 12 D/A Converters	H717	A608 - A611	20	2		Y	400

Description	Type No.	Pre-requisite	Field Install.	1 Shift Service	Mfg. Info.	Discountable	Price
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EQUIPMENT BAYS

19" Option Cabinet w/o End Panels includes filler panels and/or doors	H961-C	PDP-12				Y	\$ 430
End Panel	H952-A	H961-C				N	35

DEC SUPPLIES

PDP-12 Supply Kit – includes LINCtape – 20 rolls, LINCtape storage rack, labels – 500, TTY ribbons – 2, TTY paper – 1 box, oiled paper tape – 6 rolls	18-09724					N	\$ 200
LINCtape, 260' x 3/4" Unformatted	74-3860-1					N	\$ 8/roll
LINCtape Reels	18-09128					N	\$.50 ea.
LINCtape Storage Rack (Double width, 19" Cabinet, 20 Reels)	18-09825					N	\$ 12.50
LINCtape Storage Rack (Double width, Desk)	18-09826					N	\$ 12.50
LINCtape Storage Rack (Cabinet – 10 Reels) for mounting behind narrow door (9-7/8" x 10-3/8..)	18-09544					N	\$8.00 ea.
LINCtape Labels (specify color – Red, Blue, Green, or Yellow)	90-07912					N	\$ 5/roll (250 labels)
Teleprinter Rolled Paper	36-05365					N	\$36 case (12 rolls)
Oiled, Rolled, Paper Tape (for ASR33, 35 TTY)	36-05360					N	\$36 case (28 rolls)
Fanfolded Paper Tape (for PC12)	36-05363					N	\$45 case (18 boxes)
Teletype Ribbon	18-09137					N	\$20 box (12 rolls)

SPARES

Module Spares for PDP-12/10	SPM12-10	PDP-12/10				N	*
Module Spares for PDP-12/20	SPM12-20	PDP-12/20				N	*
Module Spares for PDP-12/30	SPM12-30	PDP-12/30				N	*
Module Spares for PDP-12/40	SPM12-40	PDP-12/40				N	*
Spare Parts & Circuit Components	SP12-D	PDP-12				N	\$ 400
Spare Teletype Parts & Tools	SP12-E	PDP-12				N	\$ 100

SHIPPING DATA

Prices are F.O.B. Maynard, Massachusetts and unless otherwise instructed DEC will ship equipment by van if possible. Refer to System Specifications for physical and electrical details.

* to be announced

MOUNTING CODES

- A - Mounts Within Basic PDP-12 Central Processor Logic Panels
- B - Mounts Within Standard PDP-12 Cabinet
- C - Mounts in H961-A Option Mounting Cabinet
- D - Cabinet Included in Price of Option
- E - Table Top

FIELD INSTALLATION OF OPTIONS

The charge for field installing an option or options shall be the sum of the installation prices as listed in the March 24, 1969 price list plus a one time travel charge from the nearest DEC Service Center. Distance from the nearest DEC Service Center is defined as the straight line mileage (not highway mileage). A minimum installation charge of \$60.00 is applicable to all field installed options.

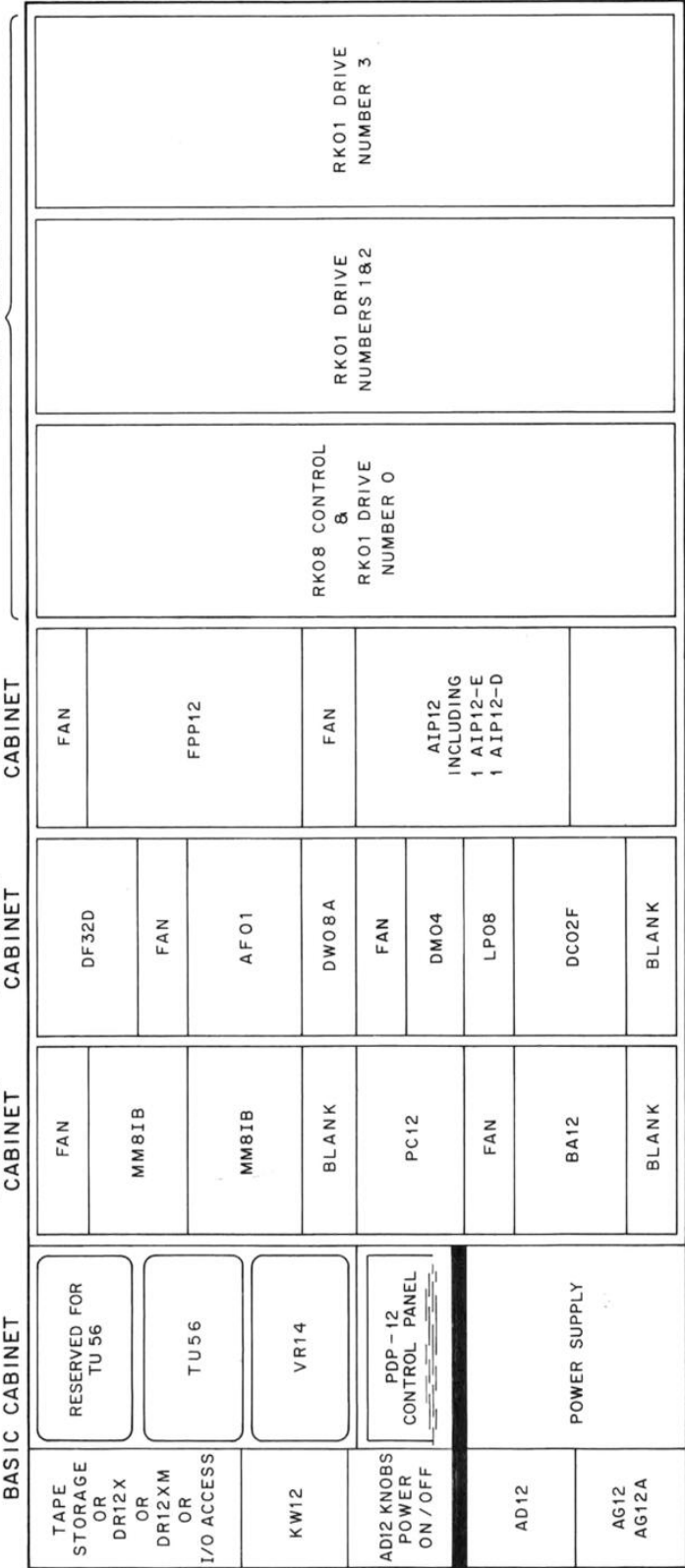
The customer has the option to pay on a per-call basis for installations of add-ons. This is often cheaper, but involves higher risk. The fixed published prices are generally more expensive but offer budgeting advantages.

Travel charges are as follows:

DISTANCE TO DEC SERVICE CENTER	TRAVEL CHARGE	
0 - 25 miles	\$ 25	Prices only valid in areas normally serviced by DEC or its subsidiaries
26 - 100 miles	75	
101 - 300 miles	150	
301 - 500 miles	250	
Remote (outside areas normally serviced by DEC or its subsidiaries)	Quoted on an indi- vidual basis	

LAYOUT SHEET

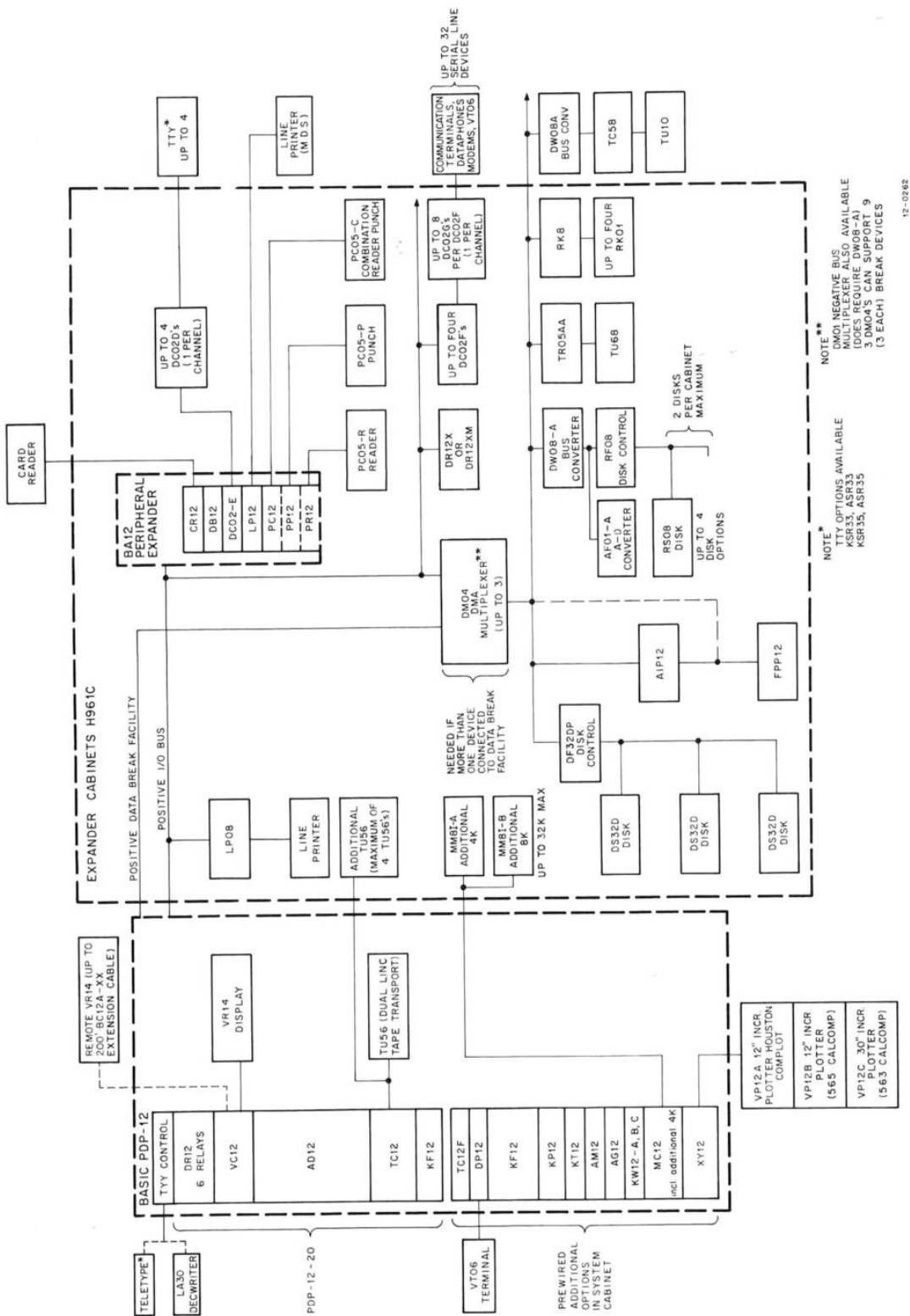
EXPANDER CABINET EXPANDER CABINET FPP12 CABINET 4 DRIVE RK8 SYSTEM



12 - 0263

Guidelines for Expanded Configurations

1. All subsystem cabinets are mounted to the right of the Basic System cabinet.
 2. All subsystem prices and configurations include additional power supplies where required.
 3. Type No. DM01 or DM04 Memory Access Multiplexer is required when more than one device other than LINCtape Control (TC12) is to be connected to the Data Break facility.
- Prices quoted effective JANUARY 1971 F.O.B. Maynard, and apply in Continental United States only, not including Federal, State, or local taxes. All prices are subject to change without notice.



CONFIGURATION BLOCK DIAGRAM

