

PDP-12/10 BA LABORATORY INSTRUMENT SYSTEM UBER LINC

PDP-12 Dual Instruction Set Central Processor
4096 Word, 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
Console Table
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
LT-33 Teletypewriter, 10 Char/Sec Paper Tape Reader and Punch
1 Shift Maintenance \$162

\$15,900

17,170

PDP-12/20 LABORATORY INSTRUMENT COMPUTER (LINC) UNDER LINC

Consisting of a PDP-12/10 with:

PDP-12 Dual Instruction Set Central Processor
4096 Word, 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
Console Table
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
LT-33 Teletypewriter, 10 Char/Sec Paper Tape Reader and Punch

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 Character Sizes
VR14 7"x9" CRT Display

1 Shift Maintenance \$264

\$30,900

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PDP-12/30 ADVANCED LINC

Consisting of a PDP-12/20 with:

- PDP-12 Dual Instruction Set Central Processor
- 4096 Word, 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
- Console Table
- 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
- LT-33 Teletypewriter, 10 Char/Sec Paper Tape Reader and Punch
- 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 Character Sizes
- VR14 7" x 9" Display

PLUS:

- MC12 4K Memory Extension
- KW12-A Real Time Clock

1 Shift Maintenance \$294

\$36,900

37,800

PDP-12/40 SUPER LINC

Consisting of a PDP-12/30 with:

- PDP-12 Dual Instruction Set Central Processor
- 4096 Word, 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
- Console Table
- 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
- LT-33 Teletypewriter, 10 Char/Sec Paper Tape Reader and Punch
- 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 Character Sizes
- VR14 7" x 9" CRT Display
- MC12 4K Memory Extension
- KW12-A Real Time Clock

PLUS:

- FPP12-AP Floating Point Processor for Parallel Operation

1 Shift Maintenance \$339

\$43,800

47,300

PDP-12 LDP LABORATORY DATA PROCESSOR *SUB LINC*

Consisting of a PDP-12/40 with:

- PDP-12 Dual Instruction Set Central Processor
- 4096 Word, 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
- Console Table
- 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
- LT-33 Teletypewriter, 10 Char/Sec Paper Tape Reader and Punch
- 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 Character Sizes
- VR14 7" x 9" CRT Display
- MC12 4K Memory Extension
- KW12-A Real Time Clock
- FPP12-AP Floating Point Processor for Parallel Operation

PLUS:

- DM12 Data Break Multiplexer
- AIP-12 Analytical Instrument Package
 - A/D Converter, 4 Channels, Expandable to 8-, 12-Bit Accuracy, 33 kHz
Conversion Rate, Differential Inputs, Input Range 0 to 2V Unipolar;
Optional Bi or Unipolar Ranges ($\pm 1V$, 0 to 5V, $\pm 5V$, 0 to 10V, $\pm 10V$)
 - 3 12-Bit Digital Output Words, 2 18-Bit Digital Inputs

1 Shift Maintenance \$413

\$49,800

MISSING LINC

TSS/12 MULTIPLE LANGUAGE TIMESHARING SYSTEM

TSS/12 MULTIPLE LANGUAGE TIMESHARING SYSTEM

PDP-12/20

PLUS:

- MC12, MM8-IA 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
- KW12-A Real Time Clock
- Timeshare Software

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|----------------------------|---------------------------------------|
| Four User Configuration | (12K core) \$67,430 plus 3 Terminals |
| Eight User Configuration | (16K core) \$73,830 plus 7 Terminals |
| Sixteen User Configuration | (16K core) \$79,330 plus 15 Terminals |

Description	Part No.	Prerequisites	Field Install.	1 Shift Service	Mfg. Info	Discountable	Price
PERIPHERAL PROCESSORS							
Floating Point Processor, single precision (24-bit mantissa, 12-bit exponent) expandable to double precision	FPP12-AP	PDP-12 DM12 ¹ <i>is not required</i>	\$ 400	\$48	D	N	\$ 0,900 2,450
Double-precision (60-bit mantissa, 12-bit exponent) implementation to FPP12-AP	FPP12-AE	FPP12-AP	\$ 50	\$15	C	N	\$ 2,500 2,700
REAL TIME CLOCKS							
Programmable Interval, Crystal controlled. Pulse Inputs, Presetable, variable count rate, "on-the-fly" readouts, Event counter	KW12-A	PDP-12	\$ 120	\$ 7	A	Y	\$ 2,900 2,160
Clock, interval interrupt. Time interval adjustment from 5 μ s to 0.1 sec (RC)	KW12-B	PDP-12 <i>require freq.</i>	\$ 60	\$ 2	A	Y	\$ 900 320
Clock, time interval can be specified* in the range 5 μ s to 200 μ s (crystal)	KW12-C	PDP-12 <i>require freq.</i>	\$ 60	\$ 3	A	Y	\$ 300 320
ARITHMETIC OPTION							
Automatic Multiply/Divide and Shift for PDP-8 programs	KE12	PDP-12	\$ 150	\$10	A	Y	\$ 4,900 1,080
PRIORITY INTERRUPT							
Automatic Priority Interrupt (15 levels): 9 internal, 6 external	KF12-B	PDP-12/10 <i>models 2 & 4</i>	\$ 500	\$16	A	Y	\$ 1,500 1,620
Automatic Priority Interrupt (15 levels). Includes new processor wing <i>KF12 = KF12B + new EP2</i>	KF12-C	PDP-12/A, B or C <i>1. low 12" 544</i> <i>or below 12" 744</i>	\$ 1,000	\$16	A	Y	\$ 2,500 2,700
POWER FAIL/RESTART							
Enables Power Failure and Restart Interrupts	KP12	PDP-12	\$ 100	\$ 3	A	Y	\$ 500 540
TIME SHARE OPTION							
Hardware instruction trap for 8-mode instructions	KT12	PDP-12 <i>consist of 5 modules</i>	\$ 120	\$30	A	Y	\$ 2,500 2,700
ADDITIONAL CORE STORAGE							
Memory Extension Control and 4096 words of 1.6 μ s memory	MC12	PDP-12	\$ 150	\$25	A	Y	\$ 4,000 6
Additional 4K memory module	MM8-IA	PDP-12 & MC12	\$ 175	\$25	C	Y	\$ 5,800 6,045
Additional 8K memory module	MM8-IB	PDP-12 & MC12	\$ 200	\$38	C	Y	\$ 10,300 10,800
4K memory expansion	MM8-IE	MM8-IA	\$ 150	\$25		Y	\$ 5,000 5,400
memory expansion							
	MM8-IE	PDP-12 & MC12					1,620

¹Type DM01, DM04 or DM12 Memory Access Multiplexer is required when more than one device other than LINCtape Control (TC12) is to be connected to the Data Break Facility

Description	Type No.	Prerequisites	Field Install	1 Shift Service	Mfg. Info.	Discountable	Price
DISK STORAGE							
Disk Control and 1 Disk File (32K words) 66 μ s/word transfer rate	DF32-DP ⁴	PDP-12 DM12 ¹	\$ 320	\$30	C	Y	\$ 6.00 70
Expander Disk File for DF32-D	DS32-D ⁴	DF32-DP	\$ 200	\$15	C	Y	\$ 2.50
Disk Control Unit for up to 4 RS08 disks	RF08	DM12 ¹ DW08A	\$ 220	\$35	D	Y	\$ 6.00 16,650
Disk File—256K words	RS08 ¹	RF08	\$ 260	\$45	C ²	Y	\$ 0.00 70
Disk Control and first transport (800K words)	RK8-P	DM12¹	\$ 560	\$70	D	N	\$12.00
1.6M word Disk Cartridge System (includes controller)	RK8- ^{FA} EA ⁴	PDP-12 DW08-E DM12 ¹ H961C	\$ 350	\$70	C	Y	\$ 7.90
Disk Cartridge Drive, 1.6M words. Up to 3 RK05's can be added to the RK8-EA	RK05-AA ⁴	RK8-EA	\$ 260	\$60		Y	\$ 5.10
Disk Cartridge for RK05 ⁴	RK03-KA	RK8-E RK05				N	\$ 9
PAPER TAPE							
High-Speed Paper Tape Reader (300 char/sec.)	PR12	BA12	\$ 160	\$ 15	C	Y	\$ 2,400
High-Speed Paper Tape Punch (50 char/sec.)	PP12 ⁴	BA12	\$ 160	\$ 15	C	Y	\$ 2,000
Combination of PR12 and PP12	PC12 ⁴	BA12	\$ 320	\$ 30	C	Y	\$ 3,900
MAGNETIC TAPE							
LINtapes Fully Automatic Control Unit—up to 8 transports. Utilizes separate DMA transfer	TC12	PDP-12	\$ 150	\$ 20	A	Y	\$ 5,900
DECtapes/LINtapes format converter	TC12-F <i>2.10010105</i>	PDP-12 TC12	\$ 100	\$ 2	A	Y	\$ 500
Dual LINtapes Transport	TU56 ³	TC12 <i>TC12</i>	\$ 60	\$ 30	B or C	Y	\$ 4.70
Single LINtapes Transport	TU56-H	TC12	\$ 60	\$ 20	B or C	Y	\$ 2,350
Automatic Magtapes and Control, up to 8 transports (industry compatible). TM12E includes TC58, DW08A, TU10, 9 track (800 bpi, 45 ips)	TM12-EE ⁴	PDP-12 DM01 ¹	\$ 600	\$112	D	Y	\$ 9.90 10,745 107
Automatic Magtapes and Control, 7 track (200/556/800 bpi, 45 ips)	TM12-FE ⁴	PDP-12 DM01 ¹	\$ 600	\$112	D	Y	\$ 8.90 12 107
DEC Magtapes transport, 9 track, (800 bpi, 45 ips)	TU10-EE ⁴	TM12-EE	\$ 400	\$ 70	D	Y	\$ 6.90
DEC Magtapes transport, 7 track, (200/556/800 bpi, 45 ips)	TU10-FE ⁴	TM12-FE	\$ 400	\$ 70	D	Y	\$ 6.90 9

¹Type DM01, DM04 or DM12 Memory Access Multiplexer is required when more than one device other than LINtapes Control (TC12) is to be connected to the Data Break Facility.

²Each 2 additional disks require 1 separate cabinet.

³TU56 can also be used with TC08 DECtapes Controller.

⁴Type numbers shown are for 115V, 60 Hz systems. For other voltages and frequencies contact your local Digital Equipment Corporation representative. Step sizes (.01", .005", .1 mm) must be specified.

⁵FA—110 bauds RC clock; FB—2 crystal clocks; FC—2 crystal clocks and RC clock.

Description	Type No	Prerequisites	Field Install.	1 Shift Service	Mfg. Info.	Discountable	Price
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CARD READERS

200 Cards-Per-Minute Reader-punched cards only CR12-FA⁴ PDP-12 BA12 \$ 240 \$50 B + E N \$ 4,500

Mark Sense Card Reader (200 CPM) also reads holes on mark sense cards CM12⁴ PDP-12 BA12 \$ 240 \$50 B + E N ~~\$ 4,900~~ **5,290**

CRT DISPLAYS

POINT PLOTTING

an additional VR14 can be driven in parallel w/ present scope. (max. 200')

Scope Control, 2 channel 2 channel D/A converter VC12 PDP-12 \$ 100 \$ 7 A Y \$ 1,000 **2,050**

7" x 9" CRT Display with slides VR14⁴ VC12 \$ 100 \$18 B Y \$ 3,000 **3,240**

Table Top 7" x 9" CRT Display with cover VR14-C⁴ VC12 \$ 100 \$18 B Y \$ 3,000 **3,240**

Controller Adapter to adapt VC12 output to control Tektronix RM503 (with 25 ft. cable) VC12-N VC12 \$ 100 \$ 3 A Y \$ 200 **215**

Extension Cable for display scope (maximum of 200') BC12 A Per call Basis Y \$ 50 + \$ 1/ft.

PLOTTERS

Control for incremental plotter XY12 PDP-12 \$ 50 \$ 6 A Y \$ 500

12" Incremental Plotter (Houston Complot DP-1) VP12-A⁵ XY12 \$ 200 \$30 Table N \$ 5,600 **6,045**

12" Incremental Plotter (CalComp 565) VP12-B⁵ XY12 \$ 200 \$30 Table N \$ 5,400 **5,830**

30" Incremental Plotter (CalComp 563) VP12-C⁵ XY12 \$ 240 \$35 Table N \$ 9,400 **10,150**

LINE PRINTERS

356 lpm, 80 columns, 64 characters LP08-FA⁴ PDP-12 \$ 200 \$60 C/E N \$12,000

253 lpm, 80 columns, 96 characters LP08-HA⁴ PDP-12 \$ 200 \$65 C/E N \$13,500

11" Electrostatic Printer/Plotter including controller. 7 x 9 dot matrix, 96 characters. 500 lpm. LV12-BA⁴ PDP-12 \$ 225 \$50 C/E N ~~\$40,900~~ **11,770**

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-F⁶ PDP-12 \$ 120 \$ 6 C Y \$ 1,500 **1620**

Module set for DC02-F. One required for each remote terminal, specify baud rate. DC02-G DC02-F \$ 10 \$ 3 C Y \$ 500 **540**

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*B = 56
C = 1620*

Description	Model No.	Prerequisites	Field Install	1 Shift Service	Life	Discountable	Price
DATA COMMUNICATIONS (Cont.)							
Multiple Teletype Control—up to 4 lines	DC02-E	PDP-12 BA12	\$ 100	\$ 6	C	Y	\$ 400 43
Module set for each Teletype	DC02-D	DC02-E	\$ 10	\$ 5	C	Y	\$ 500 54
Cable, 25 feet with 25-pin Cannon connector, for connection to modem	BC01A-25	DP12-B DC02-G	\$ 5	\$ 1		Y	\$ 100 10
Cable for DC02-G, 25' with 25-pin Cannon connector (for connection to terminal: VT05, RT01, etc.)	BC01J-25	DP12-B DC02-G	\$ 20			Y	\$ 100 110
Null Modem	H308			\$10		Y	\$ 60 65
Serial-line Interface, full duplex, asynchronous, 110 baud for TTY operation	DP12-A <i>1 per sys</i>	PDP-12	\$ 100	\$ 6	A	Y	\$ 700 75
Data-phone Interface, full duplex, asynchronous, up to 100K baud, crystal controlled, EIA interface levels available (specify baud rate)	DP12-B <i>1 per sys</i>	PDP-12	\$ 100	\$ 7	A	Y	\$ 900 970
<i>DP12 A & B cannot be installed at same time</i>							
TERMINALS							
DECwriter 30/char./sec., 80 columns. Keyboard send/receive unit	LA30-PA ⁴	LC8-L	\$ 120	\$30		Y	\$ 2,795
Parallel to Serial Interface for LA30 (includes a 25 foot cable)	LC8-L	PDP-12 or DC02F	\$ 60	\$ 6		Y	\$ 300 320
Keyboard Send/Receive (Modified ASR 33) <i>KSR-33</i>	LT33-CA ⁴	DP12A or DC02F + G	\$ 80	\$25		N	1,275 1400
Automatic Send/Receive, Paper Tape Reader and Punch	LT33-DA ⁴	DP12A or DC02F + G	\$ 120	\$30		N	\$ 1,940 175
DEC VT05 Alphanumeric Terminal <i>LA36C</i>	VT05B-AA ⁴ <i>DP12B, DC02F</i>	DP12B + BC01J or DC02F + G + BC01J	\$ 80	\$22		Y	\$ 2,795
DATA BUFFERS							
Provides one 12-bit input bus driver and one 12-bit buffer register for input and output data transfers on the I/O bus (positive output) (max. 3)	DB12-P	BA12	\$ 100	\$ 5	C	Y	\$ 250 270
Same as DB12-P except negative output	DB12-N	BA12	\$ 100	\$ 5	C	Y	\$ 250 270
RELAY BUFFERS							
6 SPDT Programmable Relays	DR12	PDP-12	\$ 100	\$ 7	B	Y	\$ 500 540
6 additional relays	DR12-X	PDP-12	\$ 50	\$ 5	B	Y	\$ 800 860
12 additional relays	DR12-XM	PDP-12	\$ 10	\$ 5	B	Y	\$ 1,300 1400

⁴Type numbers shown are for 115V, 60 Hz systems. For other voltages and frequencies contact your local Digital Equipment Corporation representative.

Description	Type No.	Prerequisites	Field Install	1 Shift Service	Mfg Info	Discountable	Price
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DIRECT MEMORY ACCESS MULTIPLEXER

Positive Bus Multiplexer to allow up to 3 devices plus LINCtape to access memory	DM04	PDP-12	\$ 320	\$ 9	C	Y	\$ 1,500 1,620
Data Break Multiplexer to allow up to 3 devices plus LINCtape to access memory	DM12	KF12-B	\$ 100	\$ 9	A	Y	\$ 1,000 1,080

PERIPHERAL EXPANDER

Includes Mounting Hardware and Wiring for additional options PP12, PR12, PC12, CR12, DC02-E, DB12	BA12 <i>(RACK of LOGIC)</i>	PDP-12	\$ 60	\$ 5	C	Y	\$ 4,200 1,295
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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	\$ 180	\$ 7	C	Y	\$ 1,500 1,620
Positive I/O Bus to OMNIBUS converter	DW8E-PA	PDP-12 H961 DM04 or DM12	\$ 200	\$ 17		Y	\$ 1,600 1,620

ANALYTICAL INSTRUMENTATION PERIPHERALS

Analytical Instrument Package— A/D converter, 4 channels, expandable to 8, 12-bit accuracy, 33 kHz conversion rate, differential inputs, input range 0 to + 2V; optional bi- or unipolar ranges ($\pm 1V$, 0 to 5V, $\pm 5V$, 0 to 10V, $\pm 10V$), 3 12-bit digital output words, 2 18-bit digital inputs.	AIP12-A ¹	PDP-12	\$ 475	\$ 65	D	Y	\$ 6,000 6,480
Optional 15-bit A/D converter, 50 kHz conversion rate	AIP12-C	AIP12	\$ 25	\$ 5	D	Y	\$ 2,500 2,700
Additional set of 4 analog channels one sample and hold	AIP12-E	AIP12	\$ 25	\$ 5	D	Y	\$ 1,000 1,080
BCD input with BCD-to-binary converter, 8 digits	AIP12-D	AIP12	\$ 25	\$ 5	D	Y	\$ 1,000 1,080
Mass Spectrometer Interface	(Describe Spectrometer to be used.)	AIP12	(CONTACT LDP MKTG.)				

Wide variety of instrument interfaces available on request.

Description	Type No.	Prerequisites	Field Install.	1 Shift Service	Mfg. Info.	Discountable	Price
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ANALOG-TO-DIGITAL SUBSYSTEMS

A/D Converter and Multiplexer; 16 channels (8 knobs), 10 bit accuracy, sample and hold, differential Preamplifiers, 14.5 μ s conversion	AD12	PDP-12	\$ 100	\$ 7	A	Y	\$ 2,500 2,700
Expansion of AD12 to 32 channels	AM12	AD12	\$ 50	\$ 5	B	Y	\$ 220 235
16 additional preamplifiers	AG12	AM12	\$ 100	\$ 5	B	Y	\$ 700 755
Preamplifier knobs selection of first 8 channels of AD12 with phone plug	AG12-A	AD12	\$ 150	\$ 3	B	Y	\$ 4,100 4,185

DIGITAL-TO-ANALOG SUBSYSTEMS

D/A Controller for 1 to 6 converter modules (BA614)	AA50-AP ⁴	PDP-12	\$ 100	\$ 10		Y	\$ 1,500 1,620
One channel of 12-bit bipolar D/A conversion	BA614	AA50-AP	\$ 30	\$ 5		N	\$ 875 405
4 channel D/A module	BA633	UDC8-P or X + DD02	\$ 40	\$ 6		N	\$ 400 510
0-10V Signal Conditioning module	BA233	BA633	\$ 10	\$ 2		N	\$ 200 210
1-5V Signal Conditioning module	BA234	BA633	\$ 10	\$ 2		N	\$ 200 210
4-20 mA Signal Conditioning module	BA235	BA633	\$ 20	\$ 4		N	\$ 390 350
10-50 mA Signal Conditioning module	BA236	BA633	\$ 20	\$ 4		N	\$ 330 350
16 channel analog power supply	H738A	BA633	\$ 20	\$ 4		Y	\$ 500 540

INTERFACING ACCESSORIES

Front panel access to I/O bus, external sense lines, 5V power supply	H309-A	PDP-12	\$ 50	\$ 1	A	Y	\$ 500 540
Hardware Kit for fabricating interface modules	H311					Y	\$ 85 90
Interface Module Test Assembly	H310	H309				Y	\$ 50
Engineering Curriculum Package (H309-A or B, 3 H310, 10 H311, 3 cables BC08-A, 10 textbooks, 180 IC's, wire)	ECP01	PDP-12	\$ 50	\$ 1			\$ 1,935

EQUIPMENT BAYS

19" Option Cabinet w/o end panels, includes filler panels and/or doors	H961-C	PDP-12				Y	\$ 430
End Panel	H952-AA	H961-C				Y	\$ 57

CONSOLE TABLE

30" Console Table	H970-BA				E	Y	\$ 150
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⁴ Type numbers shown are for 115V, 60 Hz systems, for other voltages and frequencies contact your local Digital Equipment Corporation representative

Description	Type No.	Prerequisites	Field Install.	1 & 1/2 Shift Service	Mfg. Info.	Discountable	Price
SOFTWARE							
RTPS Software including FORTRAN IV	QFL01-A	PDP-12/40				N	\$ 1,000
DEC SUPPLIES							
PDP-12 Supply Kit—includes 20 rolls of LINCTape, LINCTape storage rack, 500 labels, 2 TTY ribbons, 1 box TTY paper, 6 rolls oiled paper tape	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	\$12.00
LINCTape Storage Rack (double width, desk)	18-09826					N	\$12.00
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	\$ 2,300
Module Spares for PDP-12/20	SPM12/10	PDP12/20				N	\$ 4,900
Module Spares for PDP-12/30	SPM12-30	PDP-12/30				N	\$ 5,300
Module Spares for PDP-12/40	SPM12-40	PDP-12/40				N	\$ 5,600
Spare Parts & Circuit Components	SP12D	PDP-12				N	\$ 400
Spare Teletype Parts & Tools	SP12-E	PDP-12				N	\$ 100

SHIPPING DATA

Prices quoted effective January, 1973. F.O.B. plant of manufacture, and apply in Continental United States only, not including Federal, State, or local taxes. All prices are subject to change without notice. Unless otherwise instructed, DIGITAL will ship equipment by van. Refer to System Specifications for physical and electrical details.

MOUNTING CODES

- A—Mounts within Basic PDP-12 Central Processor Logic Panels
- B—Mounts within Standard PDP-12 Cabinet
- C—Mounts in H961-C Option Mounting Cabinet
- D—Cabinet Included in Price of Option
- E—External Mounting (Free Standing)

FIELD INSTALLATION OF OPTIONS

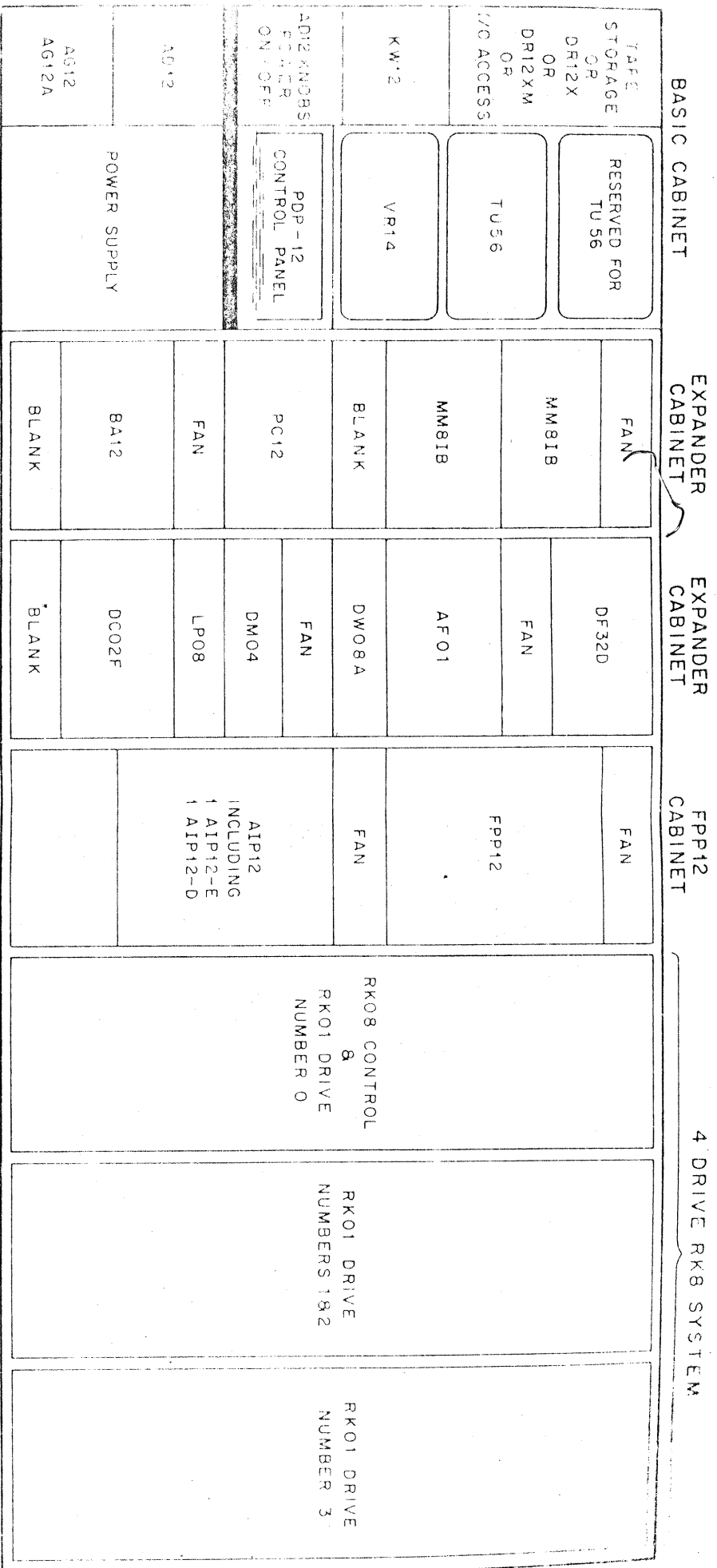
The charge for field installing an option or options shall be the sum of the installation prices as listed in the most recent field price list plus a time travel charge from the nearest DIGITAL Service Center. Distance from the nearest DIGITAL Service Center is defined as the straight line mileage (not highway mileage). A minimum installation charge of \$75.00 is applicable to all field installed options.

The customer has the option to pay on a per-call basis for installment 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 DIGITAL or its subsidiaries
26-100 miles	75	
101-300 miles	150	
301-500 miles	250	
	Remote (outside areas normally serviced by DIGITAL or its subsidiaries)	Quoted on an individual basis

LAYOUT SHEET



Guidelines for Expanded Configurations

1. All subsystem cabinets are mounted to the right on the basic system cabinet.
2. All subsystem prices and configurations include additional power supplies where required.
3. Type No. DM01, DM04 or DM12. Memory Access Multiplexer is required when more than one device other than LINClape Control (TC12) is to be connected to the Data Break facility.
4. Industry compatible magtape cabinets occupy far right position in the system.