DEC PDP-11 Family

DECwriter II, dual flexible diskettes, CTS-500/E commercial operating system license, and DEC Datasystem cabinet and desk. Purchase price is about $68,000.

PDP-11/70 DATA BASE MANAGEMENT SYSTEM: Includes a PDP-11/70 processor with 256K bytes of main memory, RP04 88-megabyte disk drive, 9-track 1600-bpi magnetic tape subsystem, line printer, CRT display terminal, IAS software, COBOL compiler, and the DBMS-11 data base management software. This system can be leased for $5,016 per month or purchased for about $225,975.■

EQUIPMENT PRICES

		Purchase Price	Monthly Maint.
LSI-11 and PDP-11/03 PROCESSORS*			
KD11-F	LSI-11 microcomputer; includes 8K bytes of MOS RAM, 16-bit DMA port, power-fail/auto restart, real-time clock input, vectored priority interrupts, single-board configuration	$ 990	$ —
KD11-J	LSI-11 microcomputer; similar to KD11-F above with 8K bytes of core memory	1,536	—
11/03-EA	LSI-11 CPU with 8K bytes of RAM, DLV11 serial line unit, and 3.5-inch chassis with 5 double slots for expansion	1,995	—
11/03-FA	LSI-11 CPU with 8K bytes of core memory, serial line unit, and 3.5-inch chassis with 3 double slots for expansion	2,425	—
11V03-AA	LSI-11 CPU with 16K bytes of RAM, dual floppy disk drive, VT52 keyboard CRT display, 3.5-inch cabinet, and RT11 software; includes installation and 90-day warranty	10,950	110
11V03-EA	Similar to 11V03-AA above with 16K bytes of core memory	10,950	110
LSI-11 and PDP-11/03 OPTIONS AND MEMORY*			
KEV11	Extended Arithmetic Option for LSI-11 CPU; includes fixed-point and floating-point operations	190	—
KWV11-A	Real-Time Clock; programmable 16-bit, five crystal-controlled frequencies	600	5
MMV11-A	8K bytes of core memory	990	13
MSV11-B	8K bytes of MOS RAM	625	13
MRV11-AA	PROM/ROM Memory Unit for LSI-11; includes IC sockets; maximum capacity 8K bytes	175	—
MRV11-AC	Fusible Link PROM Chip; unprogrammed, 512 x 4	40	—
DLV11	Serial Interface Unit	250	5
DLV11-B	Direct memory access interface for customer-supplied I/O device	550	—
DRV11	Parallel Interface Unit	210	5
H9270	Backplane Assembly	175	—
BA11-ME	Expander box for PDP-11/03; includes H 9270 backplane and power supply	1,000	7
PDP-11/04 THROUGH PDP-11/55 PROCESSORS AND SYSTEMS			
	PDP-11/04 processors include memory, an operator panel, ASCII console emulator, bootstrap loader, power fail/restart, four levels of priority interrupt, chassis, and power supply.		
	In 5.25-inch chassis; 56K bytes maximum memory capacity:		
11/04-BC	With 16K bytes of MOS memory, provides 7 SPC slots	3,995	—
11/04-DC	With 32K bytes of MOS memory, provides 7 SPC slots	5,065	—
11/04-LC	With 56K bytes of MOS memory, provides 6 SPC slots	7,510	—
11/04-FC	With 16K bytes of core memory, provides 6 SPC slots	4,695	—
11/04-HC	With 32K bytes of core memory, provides 6 SPC slots	6,045	—
11/04-MC	With 56K bytes of core memory, provides 4 SPC slots	9,270	—
	In 10.5-inch chassis; 56K bytes maximum memory capacity:		
11/04-DH	With 32K bytes of MOS memory, provides 3 SU's and 7 SPC slots	6,320	—
11/04-LH	With 56K bytes of MOS memory, provides 3 SU's and 6 SPC slots	8,770	—
11/04-HH	With 32K bytes of core memory, provides 3 SU's and 6 SPC slots	7,300	—
11/04-MH	With 56K bytes of core memory, provides 3 SU's and 4 SPC slots	10,530	—
11/04-DM	PDP-11/04 Bundled Package; includes 11/04 CPU in a 10.5-inch chassis, 32K bytes of MOS parity memory, serial line interface, DL11-W real-time clock, bootstrap loader, console terminal emulator, and CPU self-diagnostic module; provides 3 SU's, 4 hex slots, and 2 SPC slots	7,970	66
11/04-HM	PDP-11/04 Bundled Package; similar to 11/04-DM above with 32K bytes of core memory	8,950	66
	PDP-11/34 processors include parity memory, an operator console, ASCII console emulator, bootstrap loader, power fail/restart, four levels of priority interrupt, extended instruction set, memory management, chassis, and power supply		
	In 5.25-inch chassis:		
11/34-DC	With 32K bytes of MOS memory, provides 6 SPC slots, 128K bytes max. in chassis	9,050	—
11/34-LC	With 64K bytes of MOS memory, provides 5 SPC slots, 128K bytes max. in chassis	10,970	—
11/34-HC	With 32K bytes of core memory, provides 6 SPC slots, 64K bytes max. in chassis	10,030	—
11/34-MC	With 64K bytes of core memory, provides 7 SPC slots, 64K bytes max. in chassis	12,930	—
	In 10.5-inch chassis:		
11/34-DH	With 32K bytes of MOS memory, provides 3 SU's and 6 SPC slots, 124K bytes max. in chassis	10,310	—
11/34-LH	With 64K bytes of MOS memory, provides 3 SU's and 6 SPC slots, 124K bytes max. in chassis	12,230	—
11/34-HH	With 32K bytes of core memory, provides 3 SU's and 5 SPC slots, 64K bytes max. in chassis	11,290	—
11/34-MH	With 64K bytes of core memory, provides 3 SU's and 3 SPC slots, 64K bytes max. in chassis	14,190	—

*Available from DEC Components Group.

DEC PDP-11 Family

EQUIPMENT PRICES

PDP-11/04 THROUGH PDP-11/55 PROCESSORS AND SYSTEMS (Continued)

		Purchase Price	Monthly Maint.
11/34-DM	PDP-11/34 CPU in 10.5-inch chassis with 32K bytes of parity MOS memory, memory management, bootstrap loader, DL11-W real-time clock, and serial line interface; provides 3 SU's, 3 hex SPC slots, and 2 quad SPC slots	$11,080	$ 71
11/34-HM	PDP-11/34 CPU; similar to 11/34-DM above with 32K bytes of parity core memory; provides 3 SU's, 2 hex SPC slots, and 2 quad SPC slots	12,060	71
11/34-LM	PDP-11/34 CPU in 10.5-inch chassis with 64K bytes of parity MOS memory, memory management, bootstrap loader, DL11-W serial line unit and real-time clock; provides 3 SU's, 3 hex SPC slots, and 2 quad SPC slots	13,000	96
11F34-AA	PDP-11/34 Packaged FORTRAN System; includes 32K bytes of MOS memory, memory management, FP11-AU floating-point processor, bootstrap loader, DL11-W real-time clock, dual floppy disk subsystem, and LA36 DECwriter-II; expandable to 256K bytes; provides 3 SU's, 3 hex SPC slots, and 1 quad SPC slot	19,060	124
11F34-BA	PDP-11/34 Packaged FORTRAN System; similar to 11F34-AA above with 32K bytes of core memory	20,040	124
11T34-AA	PDP-11/34 Packaged System; includes 64K bytes of parity MOS memory, memory management, bootstrap loader, DL11-W real-time clock, dual RK05 cartridge disk subsystem, DECwriter II, and cabinet; provides 2 SU's, 2 hex SPC slots, and 2 quad SPC slots	32,680	235
11T34-BA	PDP-11/34 Packaged System; similar to 11T34-AA above with 64K bytes of parity core memory; provides 2 SU's and 2 quad SPC slots	34,640	235
11T34-MA	PDP-11/34 Packaged System; includes 64K bytes of parity MOS memory, memory management, dual cartridge disk subsystem consisting of one RK05J 2.5-megabyte drive and one RK05F 5-megabyte drive, bootstrap loader, DL11-W serial line unit and real-time clock, LA36 DECwriter II, and cabinet	33,280	256
11T34-PA	PDP-11/34 Packaged System; similar to 11T34-MC above with 64K bytes of parity core memory	35,240	256
11/04-BK	PDP-11/40 CPU in 21-inch chassis with 32K bytes of parity core memory, LA36 DECwriter II and controller, and cabinet; provides 5 SU's and space for an additional 32K bytes of memory	19,600	114
11/40-BS	PDP-11/40 CPU; similar to 11/40-BK above with 56K bytes of parity core memory; expandable to 64K bytes if KT11-D memory management option is included; provides 5 SU's	22,700	141
11T40-AA	PDP-11/40 Packaged System; includes 64K bytes of parity core memory, memory management, bootstrap loader, line clock, LA36 DECwriter II, dual RK05 cartridge disk subsystem, and cabinet; provides 3 SU's and 3 SPC slots	45,220	293
11/45-DW	PDP-11/45 CPU; with 64K bytes of parity core memory, hardware memory management, DL11-WA serial line unit and line frequency clock, M9301-Y bootstrap loader, LA36 DECwriter, and cabinet; provides 1 SU	41,800	238

PDP-11/70 PROCESSORS AND SYSTEMS

All PDP-11/70 systems include an 11/70 CPU with memory management; 2K-byte bipolar cache memory; M9301-YC bootstrap/diagnostic loader; KW11-L line frequency clock; LA36 DECwriter II plus DL11-A controller; parity core memory; prewired slots for FP11-C floating-point processor, four high-performance mass storage controllers, and four standard SPC slots.

11/70-VA	With 128K bytes of parity core memory and two cabinets	63,000	241
11/70-VE	With 256K bytes of parity core memory and two cabinets	81,590	311
11/70-YA	With 256K bytes of parity core memory; one RP05 88-megabyte disk pack drive; one 9-track, 800/1600-bpi magnetic tape transport; and three cabinets	135,430	651
11/70-YE	With 256K bytes of parity core memory; one RP06 176-megabyte disk pack drive; one 9-track, 800/1600-bpi magnetic tape transport; and three cabinets	144,880	651
11/70-WA	With 128K bytes of parity core memory; one 5-megabyte dual cartridge disk subsystem; one BA11-KE expansion chassis; and three cabinets	82,570	377
11/77-YA	Dual-processor 11/70 system with two 256K-byte CPU's; one RWP05 dual-access 88-megabyte disk pack subsystem; two high-speed 9-track, 800/1600-bpi magnetic tape transports; and six cabinets	246,710	1,138
11/77-YE	Dual-processor 11/70 system; similar to 11/77-YA above with one RWP05 dual-access 176-megabyte disk pack subsystem	246,160	1,138

PROCESSOR OPTIONS FOR PDP-11/04 THROUGH PDP-11/70

KY11-LB	Programmer Console for PDP-11/04 and 11/34	660	—
KE11-B	Extended Arithmetic Element for PDP-11/04, 11/34, and 11/40; provides signed integer multiply/divide, multiple shifts, and normalization; requires one hex SPC slot	1,820	18
KE11-E	Extended Instruction Set for PDP-11/40; provides extended manipulation of fixed-point numbers, signed integer multiply/divide, and long shifts	1,760	11
KE11-F	Floating-Point Option for PDP-11/40	1,760	11
KJ11-A	Stack-Limit Option for PDP-11/40; permits soft stack limit violations	730	5
KT11-D	Memory Management Option for PDP-11/40; permits addressing 248K bytes and provides protection and relocation features	3,150	21
FP11-AU	Floating-Point Processor for PDP-11/04 or 11/34	4,900	21
FP11-C	High Performance Floating-Point Processor for PDP-11/45, 11/55, or 11/70	5,600	30
KW11-K	Dual Programmable Real-Time Clock; consists of one 16-bit clock and one 8-bit clock, 5 crystal-controlled frequencies plus line and external inputs, provisions for one special frequency; requires one hex SPC slot	990	16
KW11-L	Line Frequency Clock for all PDP-11 CPU's	400	3
KW11-P	Programmable Real-Time Clock; selectable inputs of 100KHz, 10KHz, line frequency or external	770	6
M7850	Parity Control for PDP-11/04 CPU's	880	—

DEC PDP-11 Family

EQUIPMENT PRICES

		Purchase Price	Monthly Maint.
PROCESSOR OPTIONS FOR PDP-11/04 THROUGH PDP-11/70 (Continued)			
M9301-YA	Bootstrap Loader for all PDP-11's; includes loaders for paper tape, disk, floppy disk, cassette tape, DECtape, and standard magnetic tape; requires 2 SPC slots	$ 60	$ —
M9301-YB	Bootstrap Loader for all PDP-11's; includes loaders for large disk pack drives, fixed-head disks, and standard magnetic tape; requires 2 SPC slots	70	—
BM873-YC	Bootstrap Loader for all PDP-11's; for use with communications options; requires one quad SPC slot	880	3
BM792-YC	Bootstrap Loader for all PDP-11's; for card readers	880	3
CORE MEMORY			
MM11-CP	16K bytes with parity and memory controller, for PDP-11/04 and 11/34; 980 nanoseconds; requires one hex and one quad mounting space	2,280	22
MM11-DP	32K bytes with parity and memory controller, for PDP-11/04 and 11/34; 980 nanoseconds; requires two hex mounting spaces	3,530	25
The following core memories can be used with the PDP-11/40, 11/45, and 11/55; 980-nanosecond cycle time.			
MF11-U	32K bytes with parity and controller; includes space for one MM11-U module; requires 2 SU's; maximum 64K bytes	5,390	32
MM11-U	32K bytes with parity, for use with MF11-U	4,950	32
MF11-UP	32K bytes with parity and controller; includes space for one MM11-UP module; requires 2 SU's	6,160	27
MM11-UP	32K bytes with parity, for use with MF11-UP	6,160	27
MF11-UR	64K bytes with parity and controller; requires 2 SU's	8,800	54
MF11-US	128K bytes with parity and controller; requires 4 SU's	16,500	108
MF11-WP	64K bytes with parity and controller; includes space for one MM11-WP module; requires 2 SU's	8,140	30
MM11-WP	64K bytes, for use with MF11-WP	6,600	30
The following core memories are for use only with the PDP-11/70; 980-nanosecond cycle time.			
MJ11-BA	128K bytes with parity; includes chassis, power supplies, and controller; space for three additional MJ11-BE modules; max. capacity 512K bytes	18,590	70
MJ11-BE	128K bytes with parity, for use with MJ11-BA above	11,550	60
MJ11-BC	512K bytes with parity; includes cabinet, chassis, power supplies, and controller; space for three additional MJ11-BG modules; max. capacity 2048K bytes	55,500	250
MJ11-BG	512K bytes with parity, for use with MJ11-BC above	53,240	250
MOS MEMORY			
MS11-FP	16K bytes with parity and controller; for use with PDP-11/04 or 11/34; requires one hex mounting space	1,700	22
MS11-JP	32K bytes with parity and controller; for use with PDP-11/04 or 11/34; requires one hex mounting space	2,550	25
BIPOLAR MEMORY			
MS11-CC	Bipolar Memory Controller for PDP-11/45; controls up to four MS11-AP modules; maximum 32K per system	2,310	13
MS11-AP	8K bytes with parity; 300 nanoseconds; for use with MS11-CC above	4,620	25
MASS STORAGE			
All DEC drives include one cartridge or pack.			
TA11-AA	Dual DECtape transport plus controller; 90K characters per reel	4,200	38
TC11-GA	Dual DECtape transport plus controller; expandable to 4 dual transports; 288K characters per reel; includes cabinet	14,490	45
TU56	Dual DECtape transport for TA11-AA and TC11-GA	7,590	32
RX11-AA	Floppy disk drive and controller; 356K bytes	3,350	25
RX11-BA	Dual floppy disk drive and controller; 512K bytes	4,300	33
RJS03-BA	Fixed-Head Disk System; controller plus one RS03 disk drive; 512K bytes	16,900	75
RJS04-BA	Fixed-Head Disk System; controller plus one RS04 disk drive; 1.2M bytes	21,120	85
RWS03-BA	Fixed-Head Disk System; controller for 11/70 32-bit bus plus one RS03 disk drive; 512K bytes	16,900	75
RWS04-BA	Fixed-Head Disk System; controller for 11/70 32-bit bus plus one RS04 disk drive; 1.2M bytes	23,320	85
RS03-AA	Fixed-Head Disk Drive; 512K bytes; for RJS03-BA or RWS03-BA	10,450	45
RS04-AA	Fixed-Head Disk Drive; 1.2M bytes; for RJS04-BA or RWS04-BA	15,200	55
RK11J-AA	Cartridge Disk System; controller plus one RK05 disk drive; 2.4M bytes	10,400	81
RK05J-AA	Cartridge disk drive for RK11-DE; 2.4M bytes	5,600	39
RK05F-FA	Nonremovable Disk Drive for RK11J-DE; 4.8M bytes	6,200	54
RK05K-11	Cartridge for RK05-AA	99	—
RPR11-AA	Disk System; controller plus one RPR02 disk drive; 20M bytes	22,550	219
RPR02-Am	Disk pack drive for RPR11-AA above; 20M bytes	10,980	145
RP02-P	Disk pack for RPR202-AM	295	—
RP11-CE	Disk System; controller plus one RP03 disk drive; 40M bytes	39,880	233
RP03-AS	Disk pack drive for RP11-CE above; 40M bytes	25,030	159
RP02-P	Disk pack for RP03-AS	295	—

DEC PDP-11 Family

EQUIPMENT PRICES

		Purchase Price	Monthly Maint.
MASS STORAGE (Continued)			
RJP04-AA	Disk System; controller plus one RP04 disk drive; 88M bytes	$ 36,750	$ 220
RWP04-AA	Disk System; controller for 11/70 32-bit bus plus one RP04 disk drive; 88M bytes	36,750	220
RWP04-BA	Dual Access Disk System: two 11/70 controllers plus one RP04 disk drive; 88M bytes	49,350	270
RP04-AA	Disk drive for RJP04-AA or RWP04-AA above; 88M bytes	27,200	190
RP04-BA	Disk drive with dual access capability for RWP04-BA or RWP04-CA above; 88M bytes	32,340	210
RP04-P	Disk pack for RP04-AA or RP04-BA above	600	—
RJP05-AA	Disk System; controller plus one RP05 disk drive; 88M bytes	40,950	220
RWP05-AA	Disk System; controller for 11/70 32-bit bus plus one RP05 disk drive; 88M bytes	40,950	220
RP05-AA	Disk pack drive for RJP05 or RWP05	31,400	190
RP05-BA	Dual Access Disk Drive for use with RWP05-AA above	36,540	210
RWP05-BA	Dual Access Disk System; includes two 11/70-type controllers and one RP05 disk pack drive; 88M bytes	53,550	270
RP04-P	Disk pack for RP05	600	—
RJP06-AA	Disk System; controller plus one RP06 disk drive; 176M bytes	46,200	220
RWP06-AA	Disk System; controller for 11/70 32-bit bus plus one RP06 disk drive; 176M bytes	46,200	220
RWP06-BA	Dual-Access Disk Pack Subsystem; includes one RP06-AA disk pack drive, dual-access option, and two PDP-11/70 high-speed controllers	58,800	270
RP06-AA	Disk pack drive for RJP06 or RWP06	36,650	190
RP06-BA	Dual Access Disk Drive for use with RWP06-AA above	41,790	210
RP06-P	Disk pack for RP06	850	—
MAGNETIC TAPE EQUIPMENT			
TJU16-EA	9-track, 800/1600-bpi, 45-ips TU16 transport and controller; expandable to 8 TU16's	17,090	120
TWU16-EA	9-track, 800/1600-bpi, 45-ips TU16 transport and controller for 11/70 32-bit bus; expandable to 8 TU16's	17,090	120
TWU16-EK	9-track, 800-bpi, 45-ips TU16 transport and controller for 11/70 32-bit bus; expandable to 8 TU16's	15,930	110
TU16-EE	9-track, 800/1600-bpi, 45-ips tape transport for TJU16-EA, TWU16-EA, or TWU16-EK	10,300	60
TMB11-EA	9-track, 800-bpi, 45-ips TU10 transport and controller; expandable to 8 TU10's	13,280	101
TU10W-EE	9-track, 800-bpi; 45-ips transport for TMB11-EA above; max. 7 per TMB11-EA	10,300	74
TMB11-MA	9-track, 800-bpi, 12.5-ips, TS03 transport and controller; expandable to 2 TS03's; 7-inch reels	7,650	75
TS03-SA	9-track, 800-bpi, 12.5-ips transport for use with TMB11-MA above	3,850	50
PUNCHED CARD EQUIPMENT (80-COLUMN)			
CR11	300-cpm reader and controller	6,170	53
CM11-FA	285-cpm mark-sense and punched card reader	6,900	53
CD11-A	1000-cpm reader and controller	13,920	74
CD11-EA	1200-cpm reader and controller	19,250	95
PAPER TAPE EQUIPMENT			
PC11	300-cps reader, 50-cps punch, and controller	5,060	38
PRINTERS			
LA11-PA	180-cps, 132-column, 128-character printer plus controller	3,770	55
LA180-PA*	180-cps, 132-column, 128-character printer	3,085	50
LP11-VA	300-lpm, 132-column, 64-character printer plus controller	11,800	72
LP11-WA	230-lpm, 132-column, 64-character printer plus controller	14,050	72
LP11-RA	1200-lpm, 132-column, 64-character printer plus controller	38,470	154
LP11-SA	900-lpm, 132-column, 96-character printer plus controller	42,900	154
TERMINALS			
LA35-CE	Receive-Only DECwriter II; 30 cps	2,260	19
LA36-CE	DECwriter II; 30 cps, 20-mA interface	2,470	19
VT50-AA	DECscope; 75-9600 bps, 20-mA interface	1,450	22
VT52-AA/EA	Alphanumeric CRT; 80 columns x 24 lines, 96-char. keyboard, EIA or 20-mA interface	2,200	20
VT55-EA/EE	Alphanumeric/graphic CRT, EIA or 20-mA interface	2,750	25
VT55-FA/FE	Alphanumeric/graphic CRT, EIA or 20-mA interface	3,995	60
COMMUNICATIONS EQUIPMENT			
DL11-E	Modem controlling EIA/CCITT interface; includes 25 feet of cable; customer specifications	770	6
DL11-WA	Serial line interface and real-time clock for 11/04 or 11/34; 20-mA interface	770	5
DL11-WB	Serial line interface and real-time clock for 11/04 or 11/34; EIA/CCITT interface	770	5
DJ11-AA	EIA/CCITT asynchronous 16-line multiplexer; includes panel with 16 connectors; customer specifications	4,360	32
DJ11-AC	20-mA asynchronous 16-line multiplexer; includes panel with 16 terminal strips; customer specifications	4,130	32

*Available from DEC Components Group.

DEC PDP-11 Family

EQUIPMENT PRICES

		Purchase Price	Monthly Maint.
COMMUNICATIONS EQUIPMENT (Continued)			
DZ11-A	EIA/CCITT asynchronous 8-line multiplexer; speeds and formats are programmable on a per-line basis; expandable to 16 lines	$ 2,310	$ 25
DZ11-B	EIA/CCITT 8-line multiplexer expansion unit for DZ11-A	1,710	21
DZ11-C	20-mA asynchronous 8-line multiplexer; speeds and formats are programmable on a per-line basis; expandable to 16 lines	2,310	25
DZ11-D	20-mA 8-line multiplexer expansion unit for DZ11-C	1,710	21
DZ11-E	EIA/CCITT asynchronous 16-line multiplexer; speeds and formats are programmable on a per-line basis	3,740	46
DZ11-F	20-mA asynchronous 16-line multiplexer; speeds and formats are programmable on a per-line basis	3,740	46
DH11-AA	EIA/CCITT or 20-mA asynchronous 16-line multiplexer and mounting panel; speed to 9600 bps; characteristics established by DM11 interfaces; EIA/CCITT or 20-mA lines may be mixed in 4-line groups	5,170	32
DM11-BB	16-modem multiplexer for Bell 103, 202, or equivalent; for DH11-AA	1,650	19
DM11-DA	20-mA 4-line adapter for DH11-AA	250	5
DM11-DB	EIA 4-line adapter for DH11-AA; includes 4 cables	650	5
DM11-DC	EIA/CCITT 4-line adapter with modem controls for DM11-BB	1,120	11
DH11-AD	Programmable asynchronous 16-line multiplexer; EIA/CCITT interface and modem controls; cables not included	6,600	56
DH11-AE	Same as DH11-AD above without modem controls	5,720	46
DU11-DA	Full/half duplex synchronous interface; programmable characteristics; speed to 9600 bps; interfaces Bell 200 or equivalent modem; data set controls included	1,500	5
DUP11-DA	Synchronous line interface; programmable characteristics; speed to 9600 bps; double-buffered	1,380	9
DMC11-AL	Network Link Microprocessor Module for local applications; data rates to 1 million bps, full- or half-duplex; includes firmware for unattended operation; requires DMC11-MA or DMC11-MD line unit module; requires one hex SPC slot	1,520	13
DMC11-AR	Network Link Microprocessor Module for remote applications; data rates to 19,200 bps, full- or half-duplex; includes full data set controls, and firmware for unattended operation; requires DMC11-AD line unit module; requires one hex SPC slot	1,520	13
DMC11-AD	Network link; remote line unit module	850	6
DMC11-MA	Network link; local line unit module; 1,000,000 bps	850	6
DMC11-MD	Network link; local line unit module; 56,000 bps	850	6
DQ11-DA	Full/half-duplex synchronous interface; programmable characteristics; speed to 10K bps; interfaces Bell 201, 208, 209, or equivalent modems; data set controls included	3,570	24
DQ11-EA	Same as DQ11-DA above except for Bell 303 or equivalent modems; speed to 1M bps	5,450	25
DQ11-KA	Crystal clock for DQ11-DA or DQ11-EA	250	1
DQ11-AB	CRC or LRC option for DQ11-DA or DQ11-EA	1,580	12
DQ11-BB	Protocol option for DQ11-AB; includes character recognition and sequence control	1,090	12
DV11-AA	EIA/CCITT synchronous 16-line multiplexer with internal CRC hardware; speed to 9600 bps full duplex; uses DV11-BA adapters	4,840	29
DV11-BA	8-line adapter for DV11-AA; maximum of 2	3,750	15
DJ11-AB	Asynchronous 16-line multiplexer; customer specifications; uses DC08 interfaces	4,020	27
DH11-AB	Asynchronous 16-line multiplexer; programmable characteristics; speed to 9600 bps; uses DC08 interfaces	4,950	29
DC08-CS	Interface panel for 16 DC08-CM adapters; includes wired cabinet and control modules	2,790	4
DC08-CM	Dual line interface for DC08-CS; 2 lines	310	2
DN11-AA	Auto-dial system for 4 data sets; uses DN11-DA interfaces; includes wired cabinet	520	5
DN11-DA	Auto-dial interfaces for Bell 801 ACU; used with DN11-AA; maximum of 4	640	5
DF11-F	TTL to 20-mA active local Teletype loop adapter	210	5
DF11-G	TTL to Bell 303 adapter	1,710	5
DF11-K	TTL to active or passive 20-mA loop adapter	270	5
DF11-A	TTL to EIA/CCITT voltage levels adapter	330	5
H312-A	Null modem; allows direct connection of any peripheral having an EIA interface	115	2
DF11-BA	103-type originate-only modem; 300 bps; includes cable for Bell DAA connection	650	11
DF11-BB	103-type answer-only modem; 300 bps; includes cable for Bell DAA connection	700	11
KG11-A	Check character option; computes LRC, CRC, and BCC characters; used with DU11 synchronous interface	1,150	6
DR11-B	DMA interface for customer devices; includes registers for word count, current address, and data	1,620	13
DR11-C	16-bit parallel general-purpose bidirectional Unibus interface for customer devices; includes interrupt, address, and control signals	540	5
DR11-K	16-bit parallel general-purpose bidirectional Unibus interface for customer devices; each line can generate an interrupt; includes interrupt, address, and control signals	770	5
GRAPHICS EQUIPMENT			
GT43-AA	Graphic display terminal; includes a 32K-byte 11/34 processor, VT11-A display, and ASCII keyboard; expansion space, 2 SU's and 3 hex SPC slots	25,500	152
GT43-AH	Graphic display terminal; includes a 32K-byte 11/34 processor, VT11-A display, and LA 36 DECwriter II; expansion space, 2 SU's and 3 hex SPC slots	26,500	165
GT46-CA	Graphics system; includes 11/34 processor with 64K bytes of parity core memory, VT11-A display, and two RK05 cartridge disk drives; expansion space, 1 SU	46,000	304
GT46-MA	Graphics system; includes 11/34 processor with 64K bytes of parity MOS memory, VT11-A display, and two RK05 cartridge disk drives; expansion space, 1 SU and 1 quad SPC slot	44,040	304

DEC PDP-11 Family

EQUIPMENT PRICES

		Purchase Price	Monthly Maint.
GRAPHICS EQUIPMENT (Continued)			
GT62-HA	Graphics system; includes 11/34 processor with 32K bytes of parity MOS memory, VS60 graphic display processor, asynchronous communications interface, ASCII keyboard, 16-button special function keyboard, 16-button special function keyboard, table and cabinet; expansion space, 2 SU's, 5 hex SPC slots, and 1 quad SPC slot	$54,000	$ 300
GT62-JA	Graphics system; similar to GT62-EA above with LA36 DECwriter II instead of ASCII keyboard	55,000	307
CABINETS AND HARDWARE			
H960-DH	Cabinet with one sliding drawer mounting box; provides mounting for 9 system units; includes power supplies for up to 64K words of core memory	3,630	16
H960-CA	Standard PDP-11 cabinet, 72 inches high; includes fans, power distribution panel, and front panels	1,210	—
H967-KC	Short PDP-11 cabinet, 50 inches high; includes fans, power distribution panel, and front panels	825	—
BA11-KE	Expansion box; provides mounting for 5 system units	2,420	16
H744	+5V regulator, 25 amperes	440	—
H952-HA	Free-standing table	302	—
DD11-A	Peripheral mounting panel; includes Unibus connections for 4 small peripheral controllers	350	—
DD11-B	Peripheral mounting panel; includes Unibus connections for 4 small peripheral controllers or 2 DF11's and 2 small peripheral controllers	350	—
DD11-C	Backpanel mounting unit; allows for 2 hex and 2 quad SPC modules	330	—
DD11-D	Backpanel mounting unit; allows for 7 hex and 2 quad SPC modules	660	—
DB11-A	Unibus repeater; allows 18 additional unit loads	1,540	5

SOFTWARE PRICES

		Purchase Price
QJ100	PTS-11; includes editor, absolute assembler, linker, absolute loader, debugging tool, and I/O executive	$ 130
QJ006	FOCAL paper tape system; includes FOCAL language processor	370
QJ900	BASIC paper tape system; includes BASIC language processor	830
QJ180	CAPS-11; includes monitor, relocating assembler, linker, editor, debugging tool, and PIP file utility	330
QJ910	BASIC/CAPS; includes BASIC/CAPS language processor; requires QJ180	830
QJ003	RT-11 disk operating system; includes F/F monitor, single job monitor, editor, macro assembler, linker, librarian, debugging tool, and PIP file utility	1,380
QJ925	FORTRAN/RT11; includes FORTRAN/RT-11 compiler and run-time system; requires QJ003	880
QJ920	BASIC/RT-11; includes BASIC RT-11 language processor; requires QJ003	830
QJ922	FOCAL/RT-11; FOCAL language processor for RT11 systems; requires QJ003	370
QJ628	RSX-11M real-time, disk-based operating system; includes executive, macro assembler, task builder, editor, on-line debugging, librarian, PIP file verification, dump, and exchange programs, FORTRAN IV compiler, and run-time system.	2,750
QJ580	RSX-11D real-time, disk-based, multiprogramming system; includes executive, macro assembler, line editor, task builder, debugging tool, PIP file utility, file exchange program, FORTRAN compiler, and object-time system; for PDP-11/34 or larger systems	6,050
QJ642	RSX-11S execute-only executive	1,650
QP100	FORTRAN IV-Plus compiler; requires QJ580 or QR300	3,300
QP010	COBOL-11; includes COBOL-11 compiler and run-time system, report generator, sort, and reformat programs; for PDP-11/34 or larger systems; requires QJ580 or QR300	7,700
QR430	RSTS/E resource-sharing time-sharing operating system; includes monitor, utilities, and BASIC-Plus language processor; for PDP-11/34 or larger systems	6,050
QR300	IAS interactive application system for PDP-11/70 or large 11/45 systems; includes executive, macro assembler, editor, task builder, debugging tool, file utilities, and text output utility	8,580
QP240	BASIC/IAS time-shared BASIC system; includes BASIC language processor	830
QP230	FORTRAN/IAS; includes FORTRAN IV compiler and run-time system	880
QP375	DBMS-11 Data Base Management System; requires QR300	16,500
QP900	RMS-11 Record Management System; requires QR430 or QR300	2,750