**PDP-11/10**
- Description: Computer Consisting of:
  1. KA11 Central Processor
  2. 1K words 16-bit Read Only Memory
  3. 128 words 16-bit Read/Write Memory
  4. Turnkey Console
  5. Basic Mounting Box and Power Supply

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
<th>System Units</th>
<th>Mounting Code</th>
<th>Monthly Rates</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDP-11/10</td>
<td>A</td>
<td>(See Note 1)</td>
<td>100</td>
<td>--</td>
<td>Note 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>2</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**PDP-11/10-AA**
- Description: Above - rack mountable, slides included 115V 50/60 Hz
- Price: 7700

**PDP-11/10-B8**
- Description: Same except 230V 50/60 Hz
- Price: 7700

**PDP-11/10-BA**
- Description: Above - table top model, cover included 115V 50/60 Hz
- Price: 7700

**PDP-11/10-BB**
- Description: Same except 230V 50/60 Hz
- Price: 7700

**PDP-11/10-CA**
- Description: Above - rack mounted, slides and cabinet included 115V 50/60 Hz
- Price: 8350

**PDP-11/10-CB**
- Description: Same except 230V 50/60 Hz
- Price: 8350

**PDP-11/20**
- Description: Computer Consisting of:
  1. KA11 Central Processor
  2. 4K 16-bit Read/Write Memory
  3. Programmer's Console
  4. Basic Mounting Box and Power Supply
  5. ASR-33 Teletype and Control

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
<th>System Units</th>
<th>Mounting Code</th>
<th>Monthly Rates</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDP-11/20</td>
<td>None</td>
<td>A</td>
<td>3</td>
<td>3</td>
<td>110</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
<td>2</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**PDP-11/20-AA**
- Description: Above - rack mountable, slides included 115V 60 Hz
- Price: 10,800

**PDP-11/20-B8**
- Description: Same except 230V 50 Hz
- Price: 10,800

**PDP-11/20-BA**
- Description: Above - table top model, cover included 115V 60 Hz
- Price: 10,800

**PDP-11/20-BB**
- Description: Same except 230V 50 Hz
- Price: 10,800

**PDP-11/20-CA**
- Description: Above - rack mounted, slides and cabinet included 115V 60 Hz
- Price: 11,450

**PDP-11/20-CB**
- Description: Same except 230V 50 Hz
- Price: 11,450

**CORE STORAGE**

**MM11-E**
- Description: 4K Words of 16-bit Read/Write
  - Core Memory - 1.2 μs cycle time
- Price: PDP-11/10 or PDP-11/20
  - 3500

**MR11-A**
- Description: 1K Words of 16-bit Read-only
  - Core Memory - 500 nanosecond access time
- Price: PDP-11/10 or PDP-11/20
  - 1500

**Reweaving of MR11-A**
- Description: Includes braid and cores
  - Price: MR11-A
  - 350

**MW11-A**
- Description: 128 Words of 16-bit Read/Write
  - Memory - 2.0 μs cycle time
- Price: PDP-11/10 or PDP-11/20 and MR11-A
  - 750

**PAPER TAPE**

**PC11**
- Description: High Speed Paper Tape Reader
  - (300 cps) and Punch (50 cps) with control
  - 115V 60 Hz
- Price: PDP-11/10 or PDP-11/20
  - 3900

**PC11-A**
- Description: Same as PC11 except that it requires 115V 50Hz
  - 230V requires H-722
- Price: PDP-11/10 or PDP-11/20
  - 3900
<table>
<thead>
<tr>
<th>Type Number</th>
<th>Description</th>
<th>Prerequisites</th>
<th>Price</th>
<th>Mounting Code</th>
<th>System Unit</th>
<th>Special</th>
<th>Monthly Maintenance Required</th>
<th>Combust</th>
<th>Onsite Repair</th>
<th>Onsite Staff</th>
<th>Fields Installation</th>
<th>Remote Staff</th>
<th>Discount</th>
</tr>
</thead>
<tbody>
<tr>
<td>PR11</td>
<td>High Speed Paper Tape Reader (300 cps) with Control 115V 50/60 Hz 230V requires H-722</td>
<td>PDP-11/10 or PDP-11/20</td>
<td>2400 B (See Note 1)</td>
<td>15 150</td>
<td>Note 2</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H-722</td>
<td>Transformer 230V to 115V 50/60 Hz required for 230V operation of PCT1 and PR11</td>
<td>PDP-11/10 or PDP-11/20</td>
<td>100 E</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Note 2</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LT33-DC</td>
<td>ASR-33 Teletype 115V 60 Hz</td>
<td>PDP-11/10 or PDP-11/20</td>
<td>1500</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LT33-DD</td>
<td>ASR-33 Teletype 230V 50 Hz</td>
<td>PDP-11/10 or PDP-11/20</td>
<td>1500</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LT33-CC</td>
<td>KSR-33 Teletype 115V 60 Hz</td>
<td>PDP-11/10 or PDP-11/20</td>
<td>1200</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LT33-CD</td>
<td>KSR-33 Teletype 230V 50 Hz</td>
<td>PDP-11/10 or PDP-11/20</td>
<td>1200</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KL11</td>
<td>Teletype Control for LT33</td>
<td>PDP-11/10 or PDP-11/20</td>
<td>400 B</td>
<td>0 1 6 60</td>
<td>Note 1</td>
<td>Note 2</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**INTERFACE EQUIPMENT**

<table>
<thead>
<tr>
<th>Type Number</th>
<th>Description</th>
<th>Prerequisites</th>
<th>Price</th>
<th>Mounting Code</th>
<th>System Unit</th>
<th>Special</th>
<th>Monthly Maintenance Required</th>
<th>Combust</th>
<th>Onsite Repair</th>
<th>Onsite Staff</th>
<th>Fields Installation</th>
<th>Remote Staff</th>
<th>Discount</th>
</tr>
</thead>
<tbody>
<tr>
<td>DD11-A</td>
<td>Peripheral Mounting Panel (includes UNIBUS Connector Module - M920) Pre-wired System Unit for small peripheral controllers</td>
<td>PDP-11/10 or PDP-11/20</td>
<td>175 B</td>
<td>1</td>
<td>--</td>
<td>--</td>
<td>Note 2</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BB11</td>
<td>Blank Mounting Panel - Wired for bus and power</td>
<td>None</td>
<td>90 B</td>
<td>1</td>
<td>--</td>
<td>--</td>
<td>Note 3</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Does not include UNIBUS connector Module - M920) For custom interface design and mounting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M783</td>
<td>UNIBUS Transmitter Module UNIBUS to device interface drivers (12) drivers</td>
<td>None</td>
<td>30</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Note 3</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M784</td>
<td>UNIBUS Receiver Module UNIBUS to device interface receivers (16) receivers</td>
<td>None</td>
<td>30</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Note 3</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M785</td>
<td>UNIBUS Transceiver Module UNIBUS/Device interface drivers and receivers (8) receivers and (8) drivers</td>
<td>None</td>
<td>35</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Note 3</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M105</td>
<td>Address Selector Module (4 Addresses)</td>
<td>None</td>
<td>65</td>
<td>--</td>
<td>--</td>
<td>2</td>
<td>Note 3</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M782</td>
<td>Interrupt Control Module (2 interrupt capability)</td>
<td>None</td>
<td>100</td>
<td>--</td>
<td>--</td>
<td>2</td>
<td>Note 3</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M920</td>
<td>UNIBUS Connector Module (Jumper module to interconnect System Units)</td>
<td>None</td>
<td>45</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Note 3</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BC11A</td>
<td>UNIBUS Cable Length</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Note 3</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BC11A-2</td>
<td>2'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BC11A-5</td>
<td>5'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BC11A-10</td>
<td>10'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BC11A-15</td>
<td>15'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BC11A-25</td>
<td>25'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type Number</td>
<td>Description</td>
<td>Price</td>
<td>Requirements</td>
<td>System Unit</td>
<td>System Unit</td>
<td>Monthly Maintenance</td>
<td>Control Panel, Basic, Optional</td>
<td>Field/Remote</td>
<td>Price</td>
<td>Discount</td>
<td>Status</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>------------------------------------------------------------------------------</td>
<td>-------</td>
<td>--------------</td>
<td>--------------</td>
<td>--------------</td>
<td>--------------------</td>
<td>-------------------------------</td>
<td>---------------</td>
<td>-------</td>
<td>----------</td>
<td>--------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BA11-EC</td>
<td>Extension Mounting Box with Table Top Cover</td>
<td>450</td>
<td>--</td>
<td>(See Note 1)</td>
<td>3</td>
<td>60</td>
<td>Yes</td>
<td>Note 2</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BA11-ES</td>
<td>Extension Mounting Box with Tilt and Lock Chassis Slides</td>
<td>400</td>
<td>--</td>
<td>--</td>
<td>3</td>
<td>60</td>
<td>Yes</td>
<td>Note 2</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H720-A</td>
<td>Power Supply 115V 50/60 Hz</td>
<td>500</td>
<td>B</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Yes</td>
<td>Note 2</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H720-B</td>
<td>Power Supply 230V 50/60 Hz</td>
<td>500</td>
<td>B</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Yes</td>
<td>Note 2</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H960-CA</td>
<td>Free Standing Base Cabinet</td>
<td>650</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Yes</td>
<td>Note 2</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H960-CA</td>
<td>Free Standing Table</td>
<td>120</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Yes</td>
<td>Note 2</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SP11-KA</td>
<td>KAII Spare Parts</td>
<td>PDP-11/10</td>
<td>2590</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Yes</td>
<td>Note 2</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SP11-MM</td>
<td>MM11-E Spare Parts</td>
<td>PDP-11/10</td>
<td>700</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Yes</td>
<td>Note 2</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SP11-PS</td>
<td>Spare Parts for H720</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>Yes</td>
<td>Note 2</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MOUNTING CODES**

A - Mounts in Basic Mounting Box
B - Mounts in Basic or Extension Mounting Box
C - One MR11-A and one MW11-A mount in a single System Unit which is included with the purchase of the MR11-A option. Each MR11-A requires one System Unit of mounting space and provides space for one MW11-A.
D - Mounts in the KAII Processor
E - Mounts on rear door of H960-CA or similar cabinet

PC11
READER/PUNCH

PDP-11
CONTROL PANEL
AND
BASIC MOUNTING BOX
TABLE (OPTIONAL)

ALWAYS RESERVED
FOR PDP-11
EXTENSION MOUNTING BOX

H960-CA
BASIC CABINET
Note 1

When ordering PDP-II systems it is important that sufficient mounting hardware is ordered to accommodate each system. Particular attention should be given to the number of DDII's required and whether a BAIL-EC or BAIL-ES Extension Mounting Box is needed.

DDII's are System Units prewired to mount small peripheral controllers such as a Teletype control or a High Speed Paper Tape Reader/Punch control. Each DDII can hold four controllers and mounts in 1/6 of a Basic or Extension Mounting Box.

To determine the number of DDII's to order, total the products of the number of spaces required for each item ordered times the quantity ordered. Subtract four from this number and divide by four. Round up to the next whole number, if there is a remainder. Order this number of DDII's.

\[
\frac{\text{# of "Spaces" used} - 4}{4} = \text{# of DDII's needed}
\]

Note: Round up to a whole number.

Six System Units will mount in either the Basic or the Extension Mounting Box. To determine whether to order an Extension Mounting Box, total the products of the number of System Units required for each item ordered times the quantity ordered. Include DDII's and BBII's. Add one and divide the new total by six and round up to the next whole number if there is a remainder. If the result is one, an Extension Mounting Box is not needed. If the result is two, order an Extension Mounting Box (BAIL-ES or BAIL-EC) and Power Supply (H720A or H720B).

\[
\frac{\text{# of System Units used} + 1}{6} = \text{# of Mounting Boxes Required}
\]

Note: Round up to a whole number. If the result is greater than one an Extension Mounting Box is needed.

Note 2

Discountable under a PDP-II Discount Agreement.

Note 3

Discountable under a Module Discount Agreement.

All prices quoted are FOB Maynard, Massachusetts and apply in the continental United States only. Federal, state, and local taxes are not included. All prices and specifications are subject to change without notice.