Amdahl 470 Systems

Weighted Average on a scale of 4.0 for Excellent.

The user ratings awarded the 470V/6 do not provide much of an opportunity for analysis. Clearly, the system performs exactly as expected, it is fully compatible with its IBM counterparts, and Amdahl has gone beyond IBM in providing reliability and maintenance aids. Further, the Amdahl users are convinced that the company has not stopped at providing good, efficient hardware, but has assembled a highly competent field support organization in sufficient numbers to insure the highest possible system availability.

The C-Unit performs parity checks on all input and output data transfers and on data transfers to the Storage Unit. Other functions include channel indirect addressing comparable to that implemented on the System/370, and extended channel logout.

According to Amdahl, the 470V/7 I/O operations will be similar to those of the 470V/5 and 470V/6-II, but there will be certain differences within the DACL and CICL units. No details were forthcoming at the time of this writing.

PERIPHERAL EQUIPMENT

The Amdahl 470 systems can utilize all IBM System/360 and System/370 input/output and mass storage devices, as well as their plug-compatible counterparts from independent vendors. Detailed coverage of many of these peripherals can be found in Volume 2 of DATAPRO 70.

SOFTWARE

Amdahl offers complete functional compatibility with IBM System/360 and System/370 software. Amdahl Corporation intends to support users of current IBM system software by providing new releases of the software, including minor modifications to account for differences in the way the 470's handle machine check conditions, and by supplying software support services for its customers.

Operating systems supported include OS/MVT, OS/VS1, OS/VS2 (SVS and MVS), and VM/370. Also included is support for such major IBM subsystems as HASP, ASP, TSO, TCAM, JES2, JES3, VTAM, RSCS, CMS, and IPS.

Amdahl maintains a Programming Systems Support (PSS) group that supplies its own versions of the supported IBM systems releases. The PSS group also issues Amdahl versions of the IBM Program Temporary Fix (PTF) tapes.

PRICING

The Amdahl 470 systems are offered for purchase or for lease under a new 5-year operating lease plan that was announced in January 1978. The new leases can be terminated after four years upon payment of a penalty. The monthly rental charges include maintenance, taxes, and insurance fees. Amdahl also passes investment tax credits to both purchaser and lessee.

Other lease terms include purchase credits of 50 percent of total lease payments, lease renewal discounts, and a price escalation limit of 5 percent per year. Rental charges for lease extensions are 80 percent of the last month's payment for a 12-month extension, 70 percent for a 24-month extension, and 60 percent for a 36-month extension.

Prices for all current configurations of the Amdahl 470 systems are shown in the following Equipment Prices section.

EQUIPMENT PRICES

<table>
<thead>
<tr>
<th>PROCESSORS AND MAIN MEMORY</th>
<th>Purchase Price</th>
<th>Monthly Maint.*</th>
<th>Rental** (5-year lease)</th>
</tr>
</thead>
<tbody>
<tr>
<td>470/V5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPU Complex; includes 16K-byte buffer storage, console including maintenance processor, power distribution unit, main memory and channels as indicated:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With 4,194,304 bytes of main memory and:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8 channels</td>
<td>2,150,000</td>
<td>8,150</td>
<td>52,000</td>
</tr>
<tr>
<td>12 channels</td>
<td>2,300,000</td>
<td>8,650</td>
<td>55,575</td>
</tr>
<tr>
<td>16 channels</td>
<td>2,450,000</td>
<td>9,150</td>
<td>59,125</td>
</tr>
<tr>
<td>With 6,291,456 bytes of main memory and:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8 channels</td>
<td>2,320,000</td>
<td>9,100</td>
<td>56,400</td>
</tr>
<tr>
<td>12 channels</td>
<td>2,470,000</td>
<td>9,600</td>
<td>60,000</td>
</tr>
<tr>
<td>16 channels</td>
<td>2,620,000</td>
<td>10,100</td>
<td>63,550</td>
</tr>
</tbody>
</table>
Amdahl 470 Systems

PROCESSORS & MAIN MEMORY (Continued)

With 8,388,608 bytes of main memory and:
- 8 channels
- 12 channels
- 16 channels

470V/6-II CPU Complex; includes 32K-byte buffer storage, console including maintenance processor, power distribution unit, main memory and channels as indicated:

With 4,194,304 bytes of main memory and:
- 8 channels
- 12 channels
- 16 channels

With 6,291,456 bytes of main memory and:
- 8 channels
- 12 channels
- 16 channels

With 8,388,608 bytes of main memory and:
- 8 channels
- 12 channels
- 16 channels

470V/7 CPU Complex; includes 32K-byte buffer storage, console including maintenance processor, power distribution unit, main memory and channels as indicated:

With 4,194,304 bytes of main memory and:
- 12 channels
- 16 channels

With 6,291,456 bytes of main memory and:
- 12 channels
- 16 channels

With 8,388,608 bytes of main memory and:
- 12 channels
- 16 channels

With 12,582,912 bytes of main memory and:
- 12 channels
- 16 channels

With 16,777,216 bytes of main memory and:
- 12 channels
- 16 channels

PROCESSOR OPTIONS

Two-Byte Interface for I/O Channels
Channel-to-Channel Interface
4-Channel Group
Upgrade: 470V/6 to 470V/6-II
Upgrade: 470V/6 to 470V/6-II

* Maintenance prices include 24-hour, on-call service 7 days per week.
**Rental prices include maintenance.