

# Specification Summary: AM-6060 Network Server

The Alpha Microsystems AM-6060 is a high-performance computer designed for use as a TCP/IP network server. Packaged in a compact desktside chassis, the AM-6060 provides all the power necessary to support many users simultaneously via network connections.

The AM-6060 uses a two-board combination, the AM-301-10 and AM-176 boards. The latter has an MC68060 processor running at 66MHz . The AM-6060 provides Ethernet support for 10BaseT connectors, serial I/O, UPS monitoring, battery-backed CMOS, 64K external cache, and four SIMM expansion slots.



The AM-6060 provides two SCSI bus interfaces: a 50-pin SCSI-2 interface and a 68-pin Wide SCSI-2 interface. You cannot use both interfaces; all devices must connect to one or the other.

The following specifications are subject to change without notice.

## GENERAL SPECIFICATIONS

Temperature/Humidity	60 to 90 degrees F (15.6 to 32.2 degrees C); 10 degrees C per hour maximum fluctuation; Humidity: 20% to 80%, non-condensing
Power Requirements	United States: 115 VAC (90 to 132 VAC), 47 to 63Hz International: 230 VAC (180 to 264 VAC), 47 to 63Hz
Maximum Power Consumption	115 volts at 5 amps or 230 volts at 2.5 amps
Electromagnetic Interference	Complies with US FCC rules and regulations, Class A
System Dimensions	Height: 17.75" (45 cm) Width: 9" (22.8 cm) Depth: 17" (43 cm) Weight: Up to 26 lbs. (12 kg)
Enclosure Composition	Sheet metal and plastic
Additional Features	Clock/calendar with battery backup Front panel with status and diagnostic display Programmable interval timer AC power failure detect Remote reset option Security lock CMOS setup feature

## REAR PANEL CONNECTIONS

Serial Ports	Four, with full modem control and lightning protection
Ethernet Port	10BaseT
External SCSI Port	Narrow or wide, for external bus termination or external devices

## AM-176 CENTRAL PROCESSING UNIT

Processor	MC68060 CPU chip
CPU Speed	66MHz
Data Path	32-bit bi-directional data path
Address Path	32-bit address path
Internal Cache	8K instruction cache 8K data cache
External Cache	64K unified instruction and data with burst support
Memory Expansion	From 8MB to 512MB
Interrupt Capabilities	Seven interrupt levels with vector capability
Direct Memory Access	Bus mastering capability, supports multiple masters

## WIDE SCSI (SMALL COMPUTER SYSTEM INTERFACE) BUS

Physical interface	68-pin connector
Maximum Bus Length	10 feet (3 meters)
Maximum Number of Devices	Sixteen unique Wide-SCSI addresses, including the host controller
Protocol Supported	Full SCSI-1, SCSI-2 and Wide-SCSI supported, including support for connect and disconnect protocols
Implementation	Single host only; multiple host architecture not supported

## NARROW SCSI BUS

Physical Interface	50-pin connector
Maximum Bus Length	10 feet (3 meters)
Maximum Number of Devices	Eight unique SCSI addresses, including the host controller
Protocol Supported	Full SCSI-1 and SCSI-2 supported, including support for connect and disconnect protocols
Implementation	Single host only; multiple host architecture not supported



The two busses (SCSI and Wide-SCSI) are mutually exclusive. All devices must connect to one of the two busses; the other connector cannot be used. Using the appropriate adapters, you can connect a mix of SCSI-2 drives and Fast-Wide SCSI-2 disk drives to either SCSI bus.

## STORAGE AND BACKUP

### Hard Disk Drive

Detailed specifications for AM-6060 system drives depend on which SCSI bus you are using. Consult the *SCSI Hard Disk Installation Guide* for specifications appropriate to your installation.

Physical Size	3.5" or 5.25"
Maximum Number	Five half-height; two can be either 3.5" or 5.25"; others must be 3.5"
Interface	SCSI (Small Computer Standard Interface) or Wide-SCSI

### Streaming Tape Drive

Physical Size	5.25" half-high
Interface	SCSI
Data Capacity	150MB to 26GB
Tape Cartridge	See <i>AM-6060 Computer Owner's Manual</i>
Tape Format	See <i>AM-6060 Computer Owner's Manual</i>
Soft Error Rate	$1 \times 10^{-8}$
Hard Error Rate	$1 \times 10^{-10}$

## SOFTWARE

Standard AMOS Software Release contains:

- Operating System, AMOS: A multi-user, multi-tasking, timesharing monitor
- AlphaTCP TCP/IP networking software for Internet/intranet connectivity
- Multiple printer spoolers
- Parameterized command file processor
- Multi-pass macro assembler, M68
- Linkage editor, LNKLIT
- Symbolic debugger, AlphaFIX
- Object file librarian, LIBLIT
- Background task manager
- Object file patching utility, PATCH
- Indexed sequential access method data access package, ISAM
- Over 150 other utility programs
- AlphaBASIC and AlphaBASIC PLUS programming languages
- Screen oriented text editor, AlphaVUE
- Text formatter, TXTFMT
- and more

Other software packages are available from your dealer.