

HP 9000 Memory

216, 217, 220, 226, 236, 237, 310 & 320 Workstations

General Description

Newport Digital's memory for the HP 9000 Models 216, 217, 220, 226, 236, 237, 310, and 320 can be configured with 1, 2, 4, or 8 of 80 nanosecond dynamic rams. The card can be upgraded by changing SIMM cards..

System Compatibility

The memory is fully compatible with the HP 9000 Models 216, 217, 220, 226, 236, 237, 310, and 320 workstations. HP also refers to these models as the 9816A, 9816S, 9817, 9820, 9820U, 9826, 9836, 9836U, 9837, 310, and 320.

Maximum System Memory

The maximum system memory for the HP 9000 Series 200, 310, and 320 systems is 8 megabytes.

Installation Procedure

The installation procedure is quick and easy. Power the system down. Remove a cover plate on the back of the computer. Slide the card into the DIO slot. The memory switch on the memory will be set to the correct setting before it is shipped. Power the system up. Verify that the system has the expected RAM size.

Power Requirements

1 Megabyte	0.8 Amps Max (4 Watts)	0.6 Amps Typical (3 Watts)
2 Megabyte	0.8 Amps Max	0.6 Amps Typical
4 Megabyte	0.8 Amps Max	0.5 Amps Typical (2.5 Watts)
8 Megabyte	0.8 Amps Max	0.5 Amps Typical

Cycle and Access Times

The memory is one cycle faster than all other DIO add-on memory cards in the HP 216, 220, 226, 236, and 237. This results in a 20% to 25% speed improvement.

Access Time:	125ns	HP 216, 220, 226, 236, and 237
Cycle Time:	500ns	HP 216, 220, 226, 236, and 237
Access Time:	250ns	HP 217, 310, and 320
Cycle Time:	625ns	HP 217, 310, and 320

Operating Limits

Operating Temperature:	0-70 degrees Centigrade
Operating Humidity:	0-95 percent with no condensation

HP Documentation

HP 9000 Series 200 Owner's Guide
HP 9000 Series Models 310 and 320 Owner's Guide

Product Warranty

The memory has an unconditional lifetime warranty.

Ordering Information

<u>Product Description</u>	<u>HP Equivalent</u>	<u>Newport Digital Part Number</u>
HP 200/310/320 Memory – 1 MB	98257A	11-00-0001
HP 200/310/320 Memory – 2 MB	NA	11-00-0002
HP 200/310/320 Memory – 4 MB	NA	11-00-0004
HP 200/310/320 Memory – 8 MB	NA	11-00-0008

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