

HP DATA SYSTEMS

# HP 21MX Computer Series Pricing



HEWLETT  PACKARD

**HP Computer Museum**  
**[www.hpmuseum.net](http://www.hpmuseum.net)**

**For research and education purposes only.**

## MICROPROGRAMMABLE PROCESSORS

HP 21MX series processors feature 128 standard instructions including floating point and EAU), 178 user accessible micro-orders, power fail interrupt, memory parity check, multi-level vectored interrupt structure and up to four separate Internal Bootstrap Loaders switch selectable from the front panel.

### HP 21 - M/10

2105A	Microprogrammable Processor	\$4150
-003	Scientific Instruction Set	1500
-005	Writable Control Store	1000
-015	230V/50 Hz Operation	0

### HP 21 - M/20

2108A	Microprogrammable Processor	\$5300
-003	Scientific Instruction Set	1500
-005	Writable Control Store	1000
-015	230V/50 Hz Operation	0

Only 5-1/4 inches high the HP 21 - M/10 processor supports up to 32K of semiconductor memory in the mainframe and at the same time provides four powered I/O channels and full user microprogramming capability. The number of I/O channels may be increased to 36 by the addition of I/O extenders.

### OPTIONAL ACCESSORIES AND UPGRADES AVAILABLE

12977A	Scientific Instruction Set	\$1600
12978A	Writable Control Store	1250
12945A	User Control Store Board	100
12979A	I/O Extender	2700
-001	Dual Channel Port Controller Extender	500
-010	Second Extender	0
-015	230V/50 Hz Operation	0

Only 8-3/4 inches high, the HP 21 - M/20 processor supports up to 32K of semiconductor memory in the mainframe, 9 powered I/O channels, optional memory protect system and full user microprogramming capability. Number of I/O channels may be increased to 41 by the addition of I/O extenders.

## SEMICONDUCTOR MEMORY SYSTEMS

HP 21MX series memory systems feature the latest in MOS semiconductor technology. By utilizing 4K RAM semiconductor chips, major reductions in size, weight, power consumption, and cost have been realized.

### HP 21 - X/1

2101A	Semiconductor Memory System	\$ 650
-001	Dual-Channel Port Controller	750
-003	Memory Protect (M/20 Only)	500
-008	8K Memory Module	2500
-016	16K Memory Module	4600
Field Memory Expansions		
12999A	8K Memory Module	\$2600
12997A	16K Memory Module	4700
12993A	Memory System Cable	50

The HP 21 - X/1 high density semiconductor memory system, available in 8K and 16K modules, provides maximum memory expansion within the mainframe. Utilizes a high density 16 pin 4K RAM memory component.

### OPTIONAL ACCESSORIES AND UPGRADES AVAILABLE

12897A	Dual-Channel Port Controller	\$750
12892A	Memory Protect (M/20 only)	500
12944A	Power Fail Recovery System	475
12898A	Dual-Channel Port Controller Extender	500

### HP 21 - X/2

2102A	Semiconductor Memory System	\$ 500
-001	Dual-Channel Port Controller	750
-003	Memory Protect (M/20 Only)	500
-004	4K Memory Module	1300
-008	8K Memory Module	2150
Field Memory Expansions		
12994A	4K Memory Module	\$1400
12998A	8K Memory Module	2250
12993A	Memory System Cable	50

The HP 21 - X/2 medium density semiconductor memory system, available in 4K and 8K modules, offers an additional price advantage when maximum memory expansion is not required. Utilizes a 22 pin 4K RAM memory component.

# HP 21MX Series

The HP 21MX Computer Series offers the user a choice of semiconductor memory systems, powerful microprogrammable processors, and specialized instruction sets without sacrificing compatibility with the HP 2100 software, I/O interfaces, and peripherals.

## CONFIGURATOR

To configure a computer for your specific application choose the processor and memory system that best meets your requirements. The chart below summarizes the memory sizes available in each of the 4 principal configurations.

		COMPUTER MEMORY SIZE					
		4K	8K	12K	16K	24K	32K
M/10	8K modules 16K modules		1 0		0 1	1 1	0 2
	X/1						
	X/2						
	8K modules 4K modules	0 1	1 0	1 1	2 0		
M/20	8K modules 16K modules		1 0		0 1	1 1	0 2
	X/1						
	X/2						
	8K modules 4K modules	0 1	1 0	1 1	2 0	3 0	4 0
		COMPUTER MEMORY SIZE					
		4K	8K	12K	16K	24K	32K

\*MEMORY SYSTEM CABLE-12993A-MUST BE ORDERED ON FIELD UPGRADES ONLY

## CONFIGURED COMPUTER PRICES

(excluding options, accessories and upgrades)

### MICROPROGRAMMABLE PROCESSORS

M/10

M/20

MEMORY SYSTEMS

X/1

X/2

8K	Computer	\$ 7300	8K	Computer	\$ 8450
16K	Computer	\$ 9400	16K	Computer	\$10550
24K	Computer	\$11900	24K	Computer	\$13050
32K	Computer	\$14000	32K	Computer	\$15150
Up to 32K in 5-1/4" with 4 independent I/O channels			Up to 32K in 8-3/4" with 9 independent I/O channels		
4K	Computer	\$5950	4K	Computer	\$ 7100
8K	Computer	\$6800	8K	Computer	\$ 7950
12K	Computer	\$8100	12K	Computer	\$ 9250
16K	Computer	\$8950	16K	Computer	\$10100
Up to 16K in 5-1/4" with 4 independent I/O channels			24K	Computer	\$12250
			32K	Computer	\$14400
			Up to 32K in 8-3/4" with 9 independent I/O channels		

## Service

To our customers: Hewlett Packard's world-wide service and support capability are just as important as the features and technology which go into the design of the new HP 21MX Series computers. HP has 172 field offices in 65 countries throughout the world. This network includes 60 service facilities in the United States and Canada, backed by 5 regional headquarter offices in major metropolitan areas, and 2 service centers in Europe. These facilities provide a full spectrum of HP support.

**U.S.A. PRICES ONLY**  
**PURCHASE AGREEMENT REQUIRED**

Printed in U.S.A. 4/74 5952-4582(22)

**HEWLETT  PACKARD**

Sales and service from 172 offices in 65 countries.  
1501 Page Mill Road, Palo Alto, California 94304