

HP 9000 Series 300 Computers: System Processor Units

| Model | Part No. | Processor Board(s) | Launch year | CPU | FPU | MMU | Clock (MHz) | Speed (MIPS) | Speed (MFLOP) | RAM (Mb) † | Form factor ‡ |
|-------|--------------|--------------------|-------------|---------|----------------------|----------|-------------|--------------|-------------------------|----------------------|---------------|
| 310 | 98561A | 98561-66511/2/3 | 1985 | MC68010 | None ^a | Custom | 10 | 1 | | 1 ^b / 7.5 | Standard |
| 318M | 98563B | 98562-66512 | 1987 | MC68020 | MC68881 | MC68851 | 16.7 | 2 | | 4 / 4 | Short |
| 319C+ | 98564A | 98564-66510/1 | 1987 | MC68020 | MC68881 | MC68851 | 16.7 | 2 | | 4 / 16 | Long |
| 320 | 98561B | 98561-66519 | 1985 | MC68020 | MC68881 | Custom | 16.7 | 2 | | 1 / 7.5 | Standard |
| 330 | 98562A | 98562-66511 | 1987 | MC68020 | MC68881 ^c | MC68851 | 16.7 | 2 | | 4 / 8 | Standard |
| 332 | 98572A | 98572-66511/2 | 1989 | MC68030 | MC68882 ^d | Internal | 16.7 | 4 | 0.14 | 1 / 8 | Standard |
| 340 | 98563C/G/E | 98571-69510 | 1989 | MC68030 | MC68882 | Internal | 16.7 | 4 | 0.14 | 4 / 16 | Long |
| 345 | 98578A | 98578-69510 | 1990 | MC68030 | MC68882 | Internal | 50 | 12 | 0.4 | 8 ^e / 16 | Long |
| 350 | 98562B | 98562-66516 | 1987 | MC68020 | MC68881 ^c | Custom | 25 | 3 | | 8 / 48 | Standard |
| 360 | 98579A | 98579-66510 | 1988 | MC68030 | MC68882 | Internal | 25 | 5 | 0.22 / 0.4 ^f | 4 / 16 | Standard |
| 370 | 98579B | 98579-66515 | 1988 | MC68030 | MC68882 | Internal | 33 | 8 | 0.27 / 0.7 ^f | 8 / 48 | Standard |
| 375 | 98574A | 98574-59510 | 1990 | MC68030 | MC68882 | Internal | 50 | 12 | 0.4 | 8 / 32 | Standard |
| 380 | A1458A | 98574-59510 | 1991 | MC68040 | Internal | Internal | 25 | 22 | 2.6 | 8 / 128 | Standard |
| 385 | ^g | 98574-59511 | | MC68040 | Internal | Internal | 33 | 29 | 3.5 | 8 / 128 | Standard |
| 362 | A1473A | A1473-66510 | 1991 | MC68030 | MC68882 | Internal | 25 | 5 | 0.22 | 2 / 16 | Wide |
| 382 | A1474A | A1474-66510/1 | 1991 | MC68040 | Internal | Internal | 25 | 22 | 2.6 | 4 / 32 | Wide |
| R/332 | A1303A | | 1989 | MC68030 | MC68882 ^d | Internal | 16.7 | 4 | 0.14 | 1 / 8 | R/mount |
| R/362 | A1314A | | 1991 | MC68030 | MC68882 | Internal | 25 | 5 | 0.22 | 2 / 16 | R/mount |
| R/382 | A1319A | | 1991 | MC68040 | Internal | Internal | 25 | 22 | 2.6 | 4 / 32 | R/mount |

FPU = floating point processor

MMU = memory management unit

^a Optional 98635A plug-in floating point accelerator card available

^b Optional downgrade to 0.5 Mb available

^c Optional 98248A floating-point accelerator card available

^d Optional extra

^e 4 Mb on 345MH monochrome bundle

^g Unknown, the model 385 does not seem to have been actively marketed

^f With optional floating-point accelerator card

[†] Standard / maximum memory configurations

‡ Form factors (ITF denotes 'Integrated Terminal Format')

Standard: 130 mm height x 325 mm width x 376 mm depth (also known as ITF form factor)

Short: 100 mm height x 325 mm width x 325 mm depth

Long: 100 mm height x 325 mm width x 444 mm depth

Wide: 89 mm height x 419 mm width x 432 mm depth

R/mount: 189 mm height x 440 mm width x 704 mm depth

Sources

HP 9000 Series 300 Hardware Technical Data, February 1988

HP 9000 Series 300 Computer Systems Pricing Information, October 1988

HP Channels, January 1990

HP 9000 Series 300 Family Price and Configuration Guide, May 1992