# NEC TECHNOLOGIES, INC.
# P O W E R M A T E   4 2 5 / 4 3 3 / 4 6 6

| | |
|---|---|
| **Processor** | 80486SX/80487DX/80486DX/80486DX2 |
| **Processor Speed** | 25/33/50(internal)/66(internal)MHz |
| **Chip Set** | C & T |
| **Max. Onboard DRAM** | 64MB |
| **Cache** | NONE |
| **BIOS** | NEC |
| **Dimensions** | 330mm x 218mm |
| **I/O Options** | Floppy drive interface, IDE interface, multifunction connector (PS/2 mouse, PS/2 keyboard, power LED), parallel port, proprietary ISA riser card slot, serial port, VGA port |
| **NPU Options** | None |



| CONNECTIONS | | | |
|---|---|---|---|
| Purpose | Location | Purpose | Location |
| Proprietary riser card connector | JA-1 | Speaker | JP11 |
| Floppy drive interface | J1 | Mutifunction connector | P1 |
| IDE interface | J2 | Parallel port | P2 |
| IDE interface LED | JP6 | Serial port | P3 |
| External battery | JP9 | VGA port | P4 |
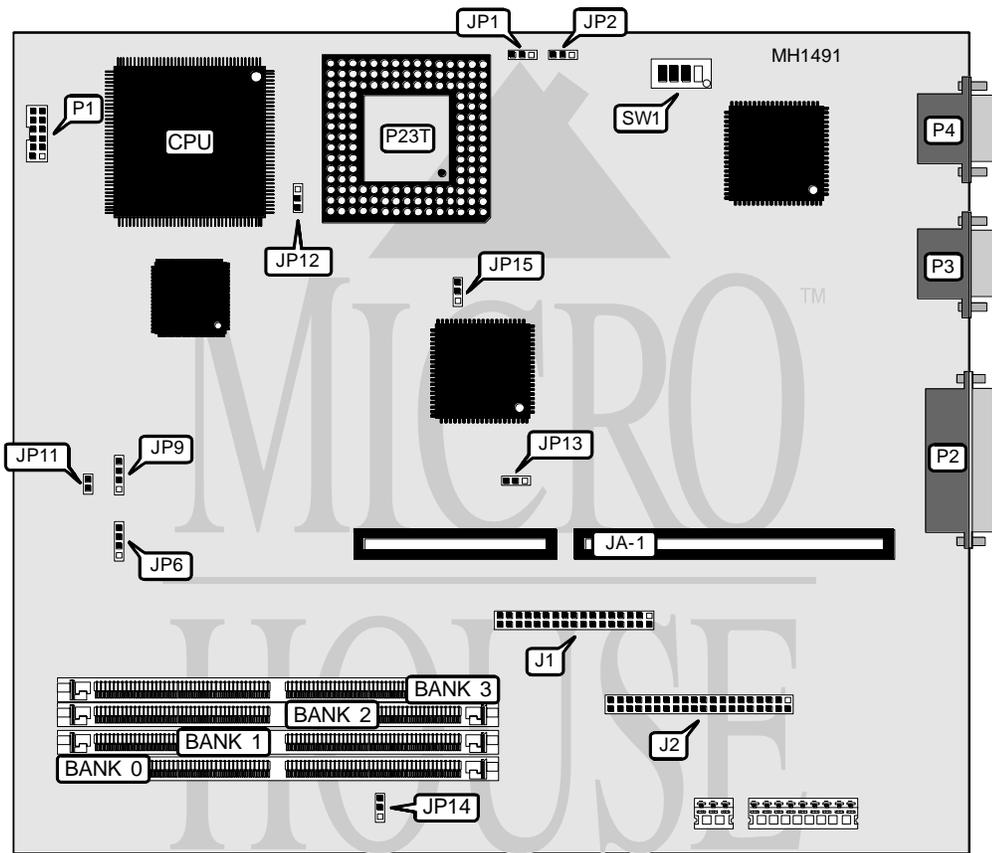
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| USER CONFIGURABLE SETTINGS | | |
|---|---|---|
| Function | Jumper/Switch | Position |
| í  Parallel port (P2) select LPT1/IRQ7 (378-37Fh) | JP13 | pins 1 & 2 closed |
| Parallel port (P2) select LPT1/IRQ5 (278-27Fh) | JP13 | pins 2 & 3 closed |
| í  Flash BIOS programmable via network disabled | JP14 | pins 1 & 2 closed |
| Flash BIOS programmable via network enabled | JP14 | pins 2 & 3 closed |
| í  Onboard video enabled | SW1/1 | Off |
| Onboard video disabled | SW1/1 | On |
| í  Floppy interface (J1) enabled | SW1/2 | Off |
| Floppy interface (J1) disabled | SW1/2 | On |
| í  System password enabled | SW1/3 | Off |
| System password disabled & cleared | SW1/3 | On |
| í  Flash BIOS write enabled | SW1/4 | Off |
| Flash BIOS write disabled | SW1/4 | On |

| DRAM CONFIGURATION | | | | |
|---|---|---|---|---|
| Size | Bank 0 | Bank 1 | Bank 2 | Bank 3 |
| 4MB | (1) 1M x 36 | NONE | NONE | NONE |
| 5MB | (1) 1M x 36 | (1) 256K x 36 | NONE | NONE |
| 6MB | (1) 1M x 36 | (1) 256K x 36 | (1) 256K x 36 | NONE |
| 7MB | (1) 1M x 36 | (1) 256K x 36 | (1) 256K x 36 | (1) 256K x 36 |
| 8MB | (1) 1M x 36 | (1) 1M x 36 | NONE | NONE |
| 9MB | (1) 1M x 36 | (1) 1M x 36 | (1) 256K x 36 | NONE |
| 10MB | (1) 1M x 36 | (1) 1M x 36 | (1) 256K x 36 | (1) 256K x 36 |
| 12MB | (1) 1M x 36 | (1) 1M x 36 | (1) 1M x 36 | NONE |
| 13MB | (1) 1M x 36 | (1) 1M x 36 | (1) 1M x 36 | (1) 256K x 36 |
| 16MB | (1) 1M x 36 | (1) 1M x 36 | (1) 1M x 36 | (1) 1M x 36 |
| 16MB | (1) 4M x 36 | NONE | NONE | NONE |
| 17MB | (1) 4M x 36 | (1) 256K x 36 | NONE | NONE |
| 18MB | (1) 4M x 36 | (1) 256K x 36 | (1) 256K x 36 | NONE |
| 19MB | (1) 4M x 36 | (1) 256K x 36 | (1) 256K x 36 | (1) 256K x 36 |
| 20MB | (1) 4M x 36 | (1) 1M x 36 | NONE | NONE |
| 21MB | (1) 4M x 36 | (1) 1M x 36 | (1) 256K x 36 | NONE |
| 22MB | (1) 4M x 36 | (1) 1M x 36 | (1) 256K x 36 | (1) 256K x 36 |
| 24MB | (1) 4M x 36 | (1) 1M x 36 | (1) 1M x 36 | NONE |
| 25MB | (1) 4M x 36 | (1) 1M x 36 | (1) 1M x 36 | (1) 256K x 36 |
| 28MB | (1) 4M x 36 | (1) 1M x 36 | (1) 1M x 36 | (1) 1M x 36 |
| 32MB | (1) 4M x 36 | (1) 4M x 36 | NONE | NONE |
| 33MB | (1) 4M x 36 | (1) 4M x 36 | (1) 256K x 36 | NONE |
| 34MB | (1) 4M x 36 | (1) 4M x 36 | (1) 256K x 36 | (1) 256K x 36 |
| 36MB | (1) 4M x 36 | (1) 4M x 36 | (1) 1M x 36 | NONE |
| 37MB | (1) 4M x 36 | (1) 4M x 36 | (1) 1M x 36 | (1) 256K x 36 |
| 40MB | (1) 4M x 36 | (1) 4M x 36 | (1) 1M x 36 | (1) 1M x 36 |
| 48MB | (1) 4M x 36 | (1) 4M x 36 | (1) 4M x 36 | NONE |
| 49MB | (1) 4M x 36 | (1) 4M x 36 | (1) 4M x 36 | (1) 256K x 36 |
| 52MB | (1) 4M x 36 | (1) 4M x 36 | (1) 4M x 36 | (1) 1M x 36 |
| 64MB | (1) 4M x 36 | (1) 4M x 36 | (1) 4M x 36 | (1) 4M x 36 |

# NEC TECHNOLOGIES, INC.
# POWERMATE 425/433/466

| CPU TYPE CONFIGURATION | | | |
|---|---|---|---|
| Type | JP1 | JP2 | JP12 |
| 80486SX PQFP | pins 1 & 2 closed | pins 1 & 2 closed | pins 1 & 2 closed |
| 80486SX PGA | pins 2 & 3 closed | pins 2 & 3 closed | pins 2 & 3 closed |
| 80487SX PGA | pins 1 & 2 closed | pins 1 & 2 closed | pins 1 & 2 closed |
| 80486DX PGA | pins 1 & 2 closed | pins 1 & 2 closed | pins 2 & 3 closed |
| 80486DX2 PGA | pins 1 & 2 closed | pins 1 & 2 closed | pins 2 & 3 closed |

| CPU SPEED CONFIGURATION | |
|---|---|
| Clock Speed | JP15 |
| 25/50i MHz | pins 1 & 2 closed |
| 33/66i MHz | pins 2 & 3 closed |