

PMP Configuration Table

This table describes the PMP configuration values, their binary representation, and their corresponding status and examples.

| Hex | Binary | L | Reserved | A | X | W | R | Status | Example |
|------|----------|---|----------|----|---|---|---|----------------------|------------------|
| 0x0 | 00000000 | 0 | 000 | 00 | 0 | 0 | 0 | Disabled, no perms | Unused entry |
| 0x1 | 00000001 | 0 | 000 | 00 | 0 | 0 | 1 | Disabled, read-only | Read-only mem |
| 0x2 | 00000010 | 0 | 000 | 00 | 0 | 1 | 0 | Disabled, write-only | Write-only mem |
| 0x3 | 00000011 | 0 | 000 | 00 | 0 | 1 | 1 | Disabled, read-write | Read-write mem |
| 0x4 | 00000100 | 0 | 000 | 00 | 1 | 0 | 0 | Disabled, exec-only | Exec-only code |
| 0x5 | 00000101 | 0 | 000 | 00 | 1 | 0 | 1 | Disabled, read-exec | Read-exec code |
| 0x6 | 00000110 | 0 | 000 | 00 | 1 | 1 | 0 | Disabled, write-exec | Write-exec code |
| 0x7 | 00000111 | 0 | 000 | 00 | 1 | 1 | 1 | Disabled, r-w-x | R-W-X code |
| 0x8 | 00001000 | 0 | 000 | 01 | 0 | 0 | 0 | TOR, no perms | Unused TOR |
| 0x9 | 00001001 | 0 | 000 | 01 | 0 | 0 | 1 | TOR, read-only | Read-only TOR |
| 0xA | 00001010 | 0 | 000 | 01 | 0 | 1 | 0 | TOR, write-only | Write-only TOR |
| 0xB | 00001011 | 0 | 000 | 01 | 0 | 1 | 1 | TOR, read-write | Read-write TOR |
| 0xC | 00001100 | 0 | 000 | 01 | 1 | 0 | 0 | TOR, exec-only | Exec-only TOR |
| 0xD | 00001101 | 0 | 000 | 01 | 1 | 0 | 1 | TOR, read-exec | Read-exec TOR |
| 0xE | 00001110 | 0 | 000 | 01 | 1 | 1 | 0 | TOR, write-exec | Write-exec TOR |
| 0xF | 00001111 | 0 | 000 | 01 | 1 | 1 | 1 | TOR, r-w-x | R-W-X TOR |
| 0x10 | 00010000 | 0 | 000 | 10 | 0 | 0 | 0 | NA4, no perms | Unused NA4 |
| 0x11 | 00010001 | 0 | 000 | 10 | 0 | 0 | 1 | NA4, read-only | Read-only NA4 |
| 0x12 | 00010010 | 0 | 000 | 10 | 0 | 1 | 0 | NA4, write-only | Write-only NA4 |
| 0x13 | 00010011 | 0 | 000 | 10 | 0 | 1 | 1 | NA4, read-write | Read-write NA4 |
| 0x14 | 00010100 | 0 | 000 | 10 | 1 | 0 | 0 | NA4, exec-only | Exec-only NA4 |
| 0x15 | 00010101 | 0 | 000 | 10 | 1 | 0 | 1 | NA4, read-exec | Read-exec NA4 |
| 0x16 | 00010110 | 0 | 000 | 10 | 1 | 1 | 0 | NA4, write-exec | Write-exec NA4 |
| 0x17 | 00010111 | 0 | 000 | 10 | 1 | 1 | 1 | NA4, r-w-x | R-W-X NA4 |
| 0x18 | 00011000 | 0 | 000 | 11 | 0 | 0 | 0 | NAPOT, no perms | Unused NAPOT |
| 0x19 | 00011001 | 0 | 000 | 11 | 0 | 0 | 1 | NAPOT, read-only | Read-only NAPOT |
| 0x1A | 00011010 | 0 | 000 | 11 | 0 | 1 | 0 | NAPOT, write-only | Write-only NAPOT |
| 0x1B | 00011011 | 0 | 000 | 11 | 0 | 1 | 1 | NAPOT, read-write | Read-write NAPOT |
| 0x1C | 00011100 | 0 | 000 | 11 | 1 | 0 | 0 | NAPOT, exec-only | Exec-only NAPOT |
| 0x1D | 00011101 | 0 | 000 | 11 | 1 | 0 | 1 | NAPOT, read-exec | Read-exec NAPOT |
| 0x1E | 00011110 | 0 | 000 | 11 | 1 | 1 | 0 | NAPOT, write-exec | Write-exec NAPOT |
| 0x1F | 00011111 | 0 | 000 | 11 | 1 | 1 | 1 | NAPOT, r-w-x | R-W-X NAPOT |
| 0x20 | 00100000 | 0 | 001 | 00 | 0 | 0 | 0 | Disabled, no perms | Unused entry |
| 0x21 | 00100001 | 0 | 001 | 00 | 0 | 0 | 1 | Disabled, read-only | Read-only mem |
| 0x22 | 00100010 | 0 | 001 | 00 | 0 | 1 | 0 | Disabled, write-only | Write-only mem |
| 0x23 | 00100011 | 0 | 001 | 00 | 0 | 1 | 1 | Disabled, read-write | Read-write mem |
| 0x24 | 00100100 | 0 | 001 | 00 | 1 | 0 | 0 | Disabled, exec-only | Exec-only code |
| 0x25 | 00100101 | 0 | 001 | 00 | 1 | 0 | 1 | Disabled, read-exec | Read-exec code |
| 0x26 | 00100110 | 0 | 001 | 00 | 1 | 1 | 0 | Disabled, write-exec | Write-exec code |
| 0x27 | 00100111 | 0 | 001 | 00 | 1 | 1 | 1 | Disabled, r-w-x | R-W-X code |
| 0x28 | 00101000 | 0 | 001 | 01 | 0 | 0 | 0 | TOR, no perms | Unused TOR |
| 0x29 | 00101001 | 0 | 001 | 01 | 0 | 0 | 1 | TOR, read-only | Read-only TOR |
| 0x2A | 00101010 | 0 | 001 | 01 | 0 | 1 | 0 | TOR, write-only | Write-only TOR |
| 0x2B | 00101011 | 0 | 001 | 01 | 0 | 1 | 1 | TOR, read-write | Read-write TOR |
| 0x2C | 00101100 | 0 | 001 | 01 | 1 | 0 | 0 | TOR, exec-only | Exec-only TOR |
| 0x2D | 00101101 | 0 | 001 | 01 | 1 | 0 | 1 | TOR, read-exec | Read-exec TOR |
| 0x2E | 00101110 | 0 | 001 | 01 | 1 | 1 | 0 | TOR, write-exec | Write-exec TOR |
| 0x2F | 00101111 | 0 | 001 | 01 | 1 | 1 | 1 | TOR, r-w-x | R-W-X TOR |
| 0x30 | 00110000 | 0 | 001 | 10 | 0 | 0 | 0 | NA4, no perms | Unused NA4 |
| 0x31 | 00110001 | 0 | 001 | 10 | 0 | 0 | 1 | NA4, read-only | Read-only NA4 |
| 0x32 | 00110010 | 0 | 001 | 10 | 0 | 1 | 0 | NA4, write-only | Write-only NA4 |
| 0x33 | 00110011 | 0 | 001 | 10 | 0 | 1 | 1 | NA4, read-write | Read-write NA4 |
| 0x34 | 00110100 | 0 | 001 | 10 | 1 | 0 | 0 | NA4, exec-only | Exec-only NA4 |
| 0x35 | 00110101 | 0 | 001 | 10 | 1 | 0 | 1 | NA4, read-exec | Read-exec NA4 |
| 0x36 | 00110110 | 0 | 001 | 10 | 1 | 1 | 0 | NA4, write-exec | Write-exec NA4 |
| 0x37 | 00110111 | 0 | 001 | 10 | 1 | 1 | 1 | NA4, r-w-x | R-W-X NA4 |
| 0x38 | 00111000 | 0 | 001 | 11 | 0 | 0 | 0 | NAPOT, no perms | Unused NAPOT |
| 0x39 | 00111001 | 0 | 001 | 11 | 0 | 0 | 1 | NAPOT, read-only | Read-only NAPOT |
| 0x3A | 00111010 | 0 | 001 | 11 | 0 | 1 | 0 | NAPOT, write-only | Write-only NAPOT |
| 0x3B | 00111011 | 0 | 001 | 11 | 0 | 1 | 1 | NAPOT, read-write | Read-write NAPOT |
| 0x3C | 00111100 | 0 | 001 | 11 | 1 | 0 | 0 | NAPOT, exec-only | Exec-only NAPOT |
| 0x3D | 00111101 | 0 | 001 | 11 | 1 | 0 | 1 | NAPOT, read-exec | Read-exec NAPOT |
| 0x3E | 00111110 | 0 | 001 | 11 | 1 | 1 | 0 | NAPOT, write-exec | Write-exec NAPOT |
| 0x3F | 00111111 | 0 | 001 | 11 | 1 | 1 | 1 | NAPOT, r-w-x | R-W-X NAPOT |