
Microid Research POST Codes

Table 17 Microid Research POST Codes

POST Code	Meaning
00h	Cold-Boot commences. (Not seen with warm boot).
01h	HOOK 00. OEM specific, typically resets chipset to default.
02h	Disable critical I/O: 6845s, 8237s, 765, and parity latches.
03h	BIOS checksum test.
04h	Page register test. (Ports 81–8F).
05h	8042 (Keyboard Controller) Selftest.
06h	Gang Port Init: 8237 m/s, 8254 ch2/1, RTC REG F/A, 8259 m/s.
07h	HOOK 01. OEM specific, typically disables cache, shadow.
08h	Refresh toggle test (PORTB).
09h	Pattern test master/slave 8237s, eight 16-bit regs each.
0Ah	Base 64KB memory test.
0Bh	Pattern test master/slave 8259 mask regs.
0Ch	8259/IRQ tests, purge powerup ints.
0Dh	8254 channel-0 test and initialization.
0Eh	8254 channel-2 toggle test, test speaker circuitry.
0Fh	RTC tests/ints: Init REG-B, write/readback NVRAM, PIE test.
13h	HOOK 02. OEM specific, select 8MHz bus.
10h	Video Initialization.
11h	CMOS checksum test.
12h	Signon msg, Accept KB BAT, perform first try KB init, cold-boot delay.
14h	Size/Test base memory (low 64KB already done).
15h	Perform second try KB init, if necessary.
16h	HOOK 03. OEM specific. Size/test cache.
17h	Test A20 gate, off then on.
18h	Size/Test extended memory.
19h	HOOK 04 and Size/Test system memory ("special" OEM memory).

POST Code	Meaning
1Ah	Test RTC Update-In-Progress and validate time.
1Bh	Serial port determination, off-board / onboard.
1Ch	Parallel port determination, off-board / onboard.
1Dh	Coprocessor determination / initialization.
1Eh	Floppy controller test / determination, CMOS validation.
1Fh	Fixed Disk controller test / determination, CMOS validation.
20h	Rigorous CMOS parameter validation, display other config. changes.
21h	Front-Panel lock check, wait for user to acknowledge errors.
22h	Set NumLock, Password-Security Trap, dispatch to Setup utility.
23h	HOOK 05. OEM specific.
24h	Set typematic rate.
28h	HOOK 06. OEM specific, typically enables shadow, cache, turbo.
25h	Floppy subsystem initialization.
26h	Fixed subsystem initialization.
27h	ACK errors, set primary adapter video mode.
29h	Disable A20-gate, set low stack, install C800-E000 ROMs.
2Ah	ACK errors, set video mode, set DOS time variables from RTC.
2Bh	Enable parity checking and NMI.
2Ch	Install E000 ROM.
2Dh	ACK errors.
2Eh	HOOK 07. OEM specific. Log-in EMS (if built-in).
2Fh	Pass control to INT19 (boot disk).
