

Toshiba Libretto 20, 50, 70 & 100 Extended BIOS (INT15h) Information

Extended BIOS Call (AX) Register

| AX | Function | In↓ | Out↑ |
|--------|--------------------|--------|-------|
| 0x44F0 | BIOS Support Check | None | CFLAG |
| 0x44F1 | Open Interface | None | None |
| 0x44F2 | Close Interface | None | None |
| 0x44F3 | Get Status | BX | CX |
| 0x44F4 | Set Status | BX, CX | None |

Mode (BX) and Status (CX) Registers

| BX | Function | | Reboot? |
|-----------------------|--------------------------|-------------------------------|---------------|
| | CX Register | Description | |
| 0x0100 | Power-Up Mode | | No |
| | 0x0000 | Boot | |
| | 0x0001 | Hibernation | |
| 0x0108 & 0x011F | CPU Cache Policy | | Yes |
| | 0108h | 011Fh | Policy |
| | 1 | 0 | Write Back |
| | 1 | 1 | Write Through |
| | 0 | 1 | Disable |
| 0x010A | System Beep | | No |
| | 0x0000 | On | |
| | 0x0001 | Off | |
| 0x010B | Low Battery Beep | | No |
| | 0x0000 | On | |
| | 0x0001 | Off | |
| 0x010C | Panel Close Beep | | No |
| | 0x0000 | On | |
| | 0x0001 | Off | |
| 0x010D | Panel Power | | No |
| | 0x0000 | Disable | |
| | 0x0001 | Enable | |
| 0x010F | Power-On Alarm | | No |
| | Bit 0 | Enable = 0 Disable = 1 | |
| | 01 - 06 | Minute | |
| | 07 - 15 | Hour | |
| 0x0110 | System Auto Off | | No |
| | 0x0001 | Disable | |
| | 0x0020 | 10 Minutes | |
| | 0x0080 | 20 Minutes | |
| | 0x0200 | 30 Minutes | |
| | 0x0800 | 40 Minutes | |
| | 0x2000 | 50 Minutes | |
| | 0x8000 | 60 Minutes | |
| 0x011D | Boot Device | | Yes |
| | 0x0000 | FD→HD | |
| | 0x0001 | HD→FD | |
| 0x0125 | Standby Time | | No |
| | 0x0001 | 0 Minutes | |
| | 0x0010 | 5 Minutes | |
| | 0x0020 | 10 Minutes | |
| | 0x0040 | 15 Minutes | |
| | 0x0200 | 30 Minutes | |
| | 0x1000 | 45 Minutes | |
| | 0x8000 | 60 Minutes | |
| 0x012D | Hibernation/Suspend | | No |
| | 0x0000 | Suspend (Libretto 100CT Only) | |
| | 0x0001 | Hibernation | |
| 0x0305 | LCD Brightness | | No |
| | 0x0000 | Low | |
| | 0x0001 | ⋮ | |
| | 0x0002 | ⋮ | |
| | 0x0003 | High | |
| 0x0308 | DOS Mode Display Stretch | | No |
| | 0x0000 | Normal | |
| | 0x0001 | Stretch | |
| 0x0501 | Parallel Port | | Yes |
| | 0x0010 | ECP | |
| | 0x0020 | Uni-Directional | |
| | 0x0040 | Bi-Directional | |
| 0x0505 | Pointing Device | | Yes |
| | 0x0000 | Internal/External Auto Select | |
| | 0x0001 | Simultaneous | |
| 0x0508 | Infrared Port | | No |
| | 0x0001 | IrDA 1.0 | |
| | 0x0002 | ASK (Sharp Proprietary Mode) | |

Extended BIOS Get/Set Process

| Procedure | INT | AX | BX | CX |
|--|-----|------------------|-------|--------------------|
| Call <i>Open Interface</i> Function | 15h | ↓44F1h | N/A | N/A |
| Call <i>Get</i> Function or Call <i>Set</i> Function | 15h | ↓44F3h ↓44F4h | ↓Mode | ↑Status ↓Status |
| Call <i>Close Interface</i> Function | 15h | ↓44F2h | N/A | N/A |
| All functions return <u>CFLAG</u> on success. | | | | |

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