

Intel® Compute Stick BIOS Settings Glossary

This glossary lists the BIOS settings by menu.

The BIOS Setup program can be used to view and change the BIOS settings for the computer. BIOS Setup is accessed by pressing **F2** after the Power-On Self-Test (POST) memory test begins and before the operating system boot begins.

BIOS setting default values are dependent on your Intel Compute Stick model, connected hardware, and the BIOS version.

If any problems occur (poor performance, intermittent issues) after making BIOS settings changes, reset the BIOS to default values:

1. During boot, enter the BIOS setup by pressing **F2**.
2. Press **F9** to set defaults.
3. Press **F10** to save and exit.

If the system locks or won't boot after making BIOS settings changes, perform a BIOS recovery as described at <http://www.intel.com/support/motherboards/desktop/sb/CS-035442.htm>.

Main

BIOS Setting	Options (default in bold)	Description / Purpose
BIOS Version	Information only	Displays the version of the BIOS currently installed.
Processor Type	Information only	Displays the processor brand string obtained from the CPUID instruction.
Host Clock Frequency	Information only	Displays the default host clock frequency (in MHz)
Max Processor Speed	Information only	Displays the maximum processor speed at current settings.
L2 Cache RAM	Information only	Displays the total L2 cache memory of the installed processor in megabytes.
Microcode Update Revision	Information only	Displays the processor microcode version currently installed.
Total Memory	Information only	Displays the total installed system memory size in gigabytes.
Memory Speed	Information only	Displays the current memory speed. Defined as current host clock frequency x memory multiplier.
System Identification Information	Information only	Displays SMBIOS information for the System, Board, and Chassis (such as Manufacturer, Product Name, Version, Serial Number, Asset Tag, etc.)
System Date	Month, day, year	Displays and changes the System Date from the Real-Time Clock.
System Time	Hours, minutes, seconds	Displays and changes the System Time from the Real-Time Clock.

Configuration

BIOS Setting	Options (default in bold)	Description / Purpose
Power Mode	[Low Power] [Balanced] [Performance]	<p>Low Power: Energy efficient use by reducing performance. This mode will work with a single USB device or a non-powered 4-port USB hub. An 8-port USB hub will need to be self-powered.</p> <p>Balanced: Balances energy efficiency with performance. This mode will work with a single USB device or a non-powered 4-port USB hub. An 8-port USB hub will need to be self-powered.</p> <p>Performance: Favors performance with decreased energy efficiency. This mode will work with a single USB device. A 4-port USB hub or an 8-port USB hub will need to be self-powered.</p>
Bluetooth	[Enabled] [Disabled]	Enables or disables onboard Bluetooth device.
Wireless LAN	[Enabled] [Disabled]	Enables or disables onboard Wireless LAN device.
SD Card	[Enabled] [Disabled]	Enables or disables the SD Card Reader.
USB	[Enabled] [Disabled]	Enables or disables the USB port.
Numlock	[Enabled] [Disabled]	If Numlock is enabled, the keypad defaults to numeric functionality.
Select Operating System	[Ubuntu 14.04 LTS 64-bit] [Windows 8.1 32-bit]	The default value is set to the operating system that has been installed at the factory. No other operating systems are supported by the BIOS.
Internal UEFI Shell	[Enabled] [Disabled]	Enabled or disables the internal UEFI shell.
USB Boot	[Enabled] [Disabled]	Enables or disables booting from supported USB devices.
Power State	[Always On] [Always Off]	<p>Always On: system will auto power-on when power adapter is connected.</p> <p>Always Off: system will NOT auto power-on when power adapter is connected.</p>
Boot Drive Order	Dependent on installed bootable devices	<p>Allows you to specify the boot sequence from the available types of boot devices.</p> <p>All detected bootable devices will be included in the list. The user can change the order of devices. The BIOS will attempt to boot to each device in the order of this list.</p>

Configuration > Event Logging

BIOS Setting	Options (default in bold)	Description / Purpose
Clear Event Log	[Enabled] [Disabled]	Enable to clear the Event Log at next boot.
Event Logging	[Enabled] [Disabled]	Enable or disable event logging. If enabled, BIOS will log POST errors in NVRAM.

Event Type	Information only	Displays list of logged events with the date and time of occurrence.
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Configuration > Secure Boot Configuration

BIOS Setting	Options (default in bold)	Description / Purpose
Secure Boot	[Enabled] [Disabled]	If enabled, BIOS will only boot to trusted operating system images.
Secure Boot Mode	Information only	Displays the Secure Boot Mode based on the SecureBootCustomMode Boolean UEFI variable. Displays Standard if the value is false. Displays Custom if the value is true.
Platform Key (PKpub)	Information only	Displays Installed or Not Installed based on the presence of the UEFI PKpub variable.
Key Exchange Key (KEK)	Information only	Displays Installed or Not Installed based on the presence of the UEFI KEK variable.
Signature Database (db)	Information only	Displays Installed or Not Installed based on the presence of the UEFI db variable.
Blacklisted Signature Database (dbx)	Information only	Displays Installed or Not Installed based on the presence of the UEFI dbx variable.
Install Intel Platform Key	[Enabled] [Disabled]	Generates a new Secure Boot Platform Key during next boot. The private half of the Platform Key is discarded.
Force Secure Boot Defaults	[Enabled] [Disabled]	Restores factory default Secure Boot databases during the next boot, placing the system in Standard Mode.
Clear Secure Boot Data	[Enabled] [Disabled]	Clears Secure Boot databases (Pkpub, KEK, db, and dbx) during the next boot, placing the system in Custom Mode. Required to install a trusted operating system not supported by the factory default Secure Boot database.

Configuration > Boot Display Configuration

BIOS Setting	Options (default in bold)	Description / Purpose
POST Function Hotkeys Displayed	[Enabled] [Disabled]	If enabled, BIOS will display function key prompts during POST. Function key input will still be accepted even if prompts are disabled.
Display F2 to Enter Setup	[Enabled] [Disabled]	If enabled, BIOS will display “F2 to Enter Setup” prompt. F2 key input will still be accepted if this prompt is disabled.
Display F7 to Update BIOS	[Enabled] [Disabled]	If enabled, BIOS will display “F7 to Update BIOS” prompt. F7 key input will still be accepted if this prompt is disabled.
Display F8 to Activate Recovery Mode	[Enabled] [Disabled]	If enabled, BIOS will display one of the following during boot (depending on model) - F8 to Activate Windows 8.1 Recovery Mode - F8 to Activate Ubuntu Recovery Mode F8 key input will still be accepted if this prompt is disabled.
Display F10 to Enter Boot Menu	[Enabled] [Disabled]	If enabled, BIOS will display “F10 to Enter Boot Menu” prompt. F10 key input will still be accepted if this prompt is disabled.