

Computer Setup

User Guide

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1 Computer Setup access

Computer Setup is a preinstalled, ROM-based utility that can be used even when the operating system is not working or will not load.



NOTE Some of the Computer Setup menu items listed in this guide may not be supported by your computer.

NOTE Pointing devices are not supported in Computer Setup. You must use the keyboard to navigate and make selections.

NOTE An external keyboard connected by USB can be used with Computer Setup only if USB legacy support is enabled.

The information and settings in Computer Setup are accessed from the File, Security, Diagnostics, and System Configuration menus.

1. Open Computer Setup by turning on or restarting the computer, and then pressing **f10** while the "F10 = ROM Based Setup" message is displayed in the lower-left corner of the screen.

In Computer Setup, the following shortcuts are available:

- To change the language, press **f2**.
 - To view navigation information, press **f1**.
 - To close open dialog boxes and return to the main Computer Setup screen **esc**.
2. Select the **Files, Security, Diagnostics, or System Configuration** menu.
 3. To exit Computer Setup, choose one of the following methods:
 - To exit Computer Setup without saving your preferences, use the arrow keys to select **File > Ignore Changes and Exit**. Then follow the instructions on the screen.
 - To save your preferences and exit Computer Setup, use the arrow keys to select **File > Save Changes and Exit**. Then follow the instructions on the screen.

Your preferences go into effect when the computer restarts.

2 Computer Setup defaults

To return all settings in Computer Setup to the values that were set at the factory:

1. Open Computer Setup by turning on or restarting the computer, and then pressing **f10** while the "F10 = ROM Based Setup" message is displayed in the lower-left corner of the screen.

In Computer Setup, the following shortcuts are available:

- To change the language, press **f2**.
 - To view navigation information, press **f1**.
 - To close open dialog boxes and return to the main Computer Setup screen **esc**.
2. Use the arrow keys to select **File > Restore defaults**, and then press **enter**.
 3. When the confirmation dialog box opens, press **f10**.
 4. Select the **Restore defaults** check box, and then press **enter**.
 5. To confirm the restoration, press **f10**.
 6. To save your preferences and exit Computer Setup, use the arrow keys to select **File > Save Changes and Exit**. Then follow the instructions on the screen.

Your preferences go into effect when the computer restarts.



NOTE Your password and security settings are not changed when you restore the factory default settings.

3 Computer Setup menus

The menu tables in this section provide an overview of Computer Setup options.






NOTE Some of the Computer Setup menu items listed in this chapter may not be supported by your computer.

File menu

Select	To Do This
System information	<ul style="list-style-type: none">• View identification information for the computer and the battery packs in the system.• View specification information for the processor, cache and memory size, system ROM, video revision, and keyboard controller version.
Restore defaults	Replace the configuration settings in Computer Setup with factory default settings. (Password and security settings are not changed when you restore the factory default settings.)
Ignore changes and exit	Cancel changes entered during the current session. Then exit and restart the computer.
Save changes and exit	Save changes entered during the current session. Then exit and restart the computer. Your changes go into effect when the computer restarts.

Security menu


Select	To Do This
Setup password	Enter, change, or delete a setup password.
Power-On password	Enter, change, or delete a power-on password.
Password options	<ul style="list-style-type: none">• Enable/disable stringent security.• Enable/disable password requirement on computer restart.
DriveLock passwords	<ul style="list-style-type: none">• Enable/disable DriveLock on any computer hard drive and optional MultiBay hard drives.• Change a DriveLock user or master password. <p> NOTE DriveLock settings are accessible only when you enter Computer Setup by turning on (not restarting) the computer.</p>
Smart Card security	Enable/disable support for smart card and Java™ Card power-on authentication. <p> NOTE Power-on authentication for smart cards is supported only on computers with optional smart card readers.</p>
TPM Embedded Security	Enable/disable support for TPM (Trusted Platform Module) Embedded Security, which protects the computer from unauthorized access to owner functions in Embedded Security for ProtectTools. For more information, refer to the <i>ProtectTools Security Manager Reference Guide</i> located in the Help and Support Center, or refer to Credential Manager for ProtectTools online Help.
System IDs	Enter user-defined computer asset and ownership tag.
Disk Sanitizer	Run Disk Sanitizer to destroy all existing data on the primary hard drive. The following options are available: <ul style="list-style-type: none">• Fast: Runs the Disk Sanitizer erase cycle once.• Optimum: Runs the Disk Sanitizer erase cycle 3 times.• Custom: Allows you to select the desired number of Disk Sanitizer erase cycles from a list. <p> CAUTION If you run Disk Sanitizer, the data on the primary hard drive is destroyed permanently.</p>

Diagnostics menu

Select	To Do This
Memory Check	Run a comprehensive check on system memory.
Hard Drive Self-Test options	Run a comprehensive self-test on any hard drive in the system or on any optional MultiBay hard drive.

System Configuration menu

Select	To Do This
Language (or press f2)	Change the Computer Setup language.
Boot options	<ul style="list-style-type: none">• Set f9, f10, and f12 delay when starting up.• Enable/disable CD-ROM boot.• Enable/disable Floppy boot.• Enable/disable internal network adapter boot and set the boot mode (PXE or RPL).• Enable/disable MultiBoot, which sets a boot order that can include most boot devices in the system.• Set the boot order.
Device configurations	<ul style="list-style-type: none">• Swap the functions of the fn key and left ctrl key.• Enable/disable multiple standard pointing devices at startup. (To set the computer to support only a single, usually nonstandard, pointing device at startup, select Disable.)• Enable/disable USB legacy support. When enabled, USB legacy support allows<ul style="list-style-type: none">• A USB keyboard, mouse, and hub to work in Computer Setup even when a Microsoft® Windows® operating system is not loaded.• The computer to start from bootable USB devices, including a hard drive, diskette drive diskette, or optical drive connected by a USB port to the computer or to an optional docking device (select models only).• Automatic/disable Intel SpeedStep Technology.• Select a parallel port mode: EPP (Enhanced Parallel Port), standard, bidirectional, or ECP (Enhanced Capabilities Port).• Enable/disable BIOS DMA data transfers (select models only)• Enable/disable the system fan when connected to an AC outlet.

Select	To Do This
	<ul style="list-style-type: none"> • Enable/disable Intel or AMD PSAE Execution Disable. When enabled, the processor can disable some virus code execution, which helps to improve computer security. • Enable/disable LAN Power Save. When enabled, saves power by turning off the LAN when not in use. • Enable/disable SATA Native Support. • Enable/disable Dual Core CPU. • Enable/disable Secondary Battery Fast Charge.
Built-In Device Options	<ul style="list-style-type: none"> • Enable/disable embedded WWAN Device Radio. • Enable/disable embedded WLAN Device Radio. • Enable/disable embedded Bluetooth® Device Radio. • Enable/disable LAN/WLAN Switching. When enabled, switches to a WLAN when a LAN is either unavailable or disconnected. • Enable/disable Wake on LAN from Off. • Enable/disable the ambient light sensor.
Port Options	<ul style="list-style-type: none"> • Enable/disable the serial port. • Enable/disable the parallel port. • Enable/disable the flash media reader. • Enable/disable the USB port. <p> CAUTION Disabling the USB port also disables MultiBay devices and ExpressCard devices on the advanced port replicator.</p> <ul style="list-style-type: none"> • Enable/disable the 1394 port. • Enable/disable the cardbus slot. • Enable/disable the ExpressCard slot. • Enable/disable the infrared port.

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