



Drivers & software

HP Z800 Workstation System BIOS

Type:	BIOS
Version:	03.57 Rev. A(20 Sep 2013)
Operating System(s):	Microsoft Windows 7 Professional (64-bit) Microsoft Windows XP Professional Microsoft Windows XP Professional x64 Edition Microsoft Windows Vista Home Basic (32-bit) Microsoft Windows Vista Business (32-bit) Microsoft Windows Vista Enterprise (32-bit) Microsoft Windows Vista Business (64-bit) Microsoft Windows Vista Enterprise (64-bit) Microsoft Windows 7 Professional (32-bit) Microsoft Windows 7 Enterprise (32-bit) Microsoft Windows 7 Ultimate (32-bit) Microsoft Windows 7 Enterprise (64-bit) Microsoft Windows 7 Ultimate (64-bit)

Description

This package contains the System BIOS image (BIOS Family 786G5) and local and remote BIOS flash utilities for the HP Z800 Workstation. These utilities can be used to restore or update the System BIOS. System BIOS is operating system independent.

Enhancements

The following enhancements have been added to BIOS version 03.57:

- Updated to latest Intel microcode.

The following enhancements have been added to BIOS version 03.56:

- Optimized the memory settings to improve the reliability of the memory system.

The following enhancements have been added to BIOS version 03.54:

- Improves acoustics for the ATI V3900 and V4900 graphics cards.
- Adds Headless Boot option to Repset.
- Improves security of the BIOS by enhancing the security protocols of certain firmware functions.

WARNING: After installing this BIOS version onto the system, prior BIOS versions cannot be installed onto the system.

The following enhancements have been added to BIOS version 03.21:

- Adds F10 setup password feature to allow by-passing the password prompt when entering F9, F10, and F12 during POST.
- Improves performance by disabling QPI power state when the BIOS option "Idle Power Saving" is set to Normal.

The following enhancement has been added to BIOS version 03.20:

- Adds fan adjustments to support the ATI V7900, V5900 and NVIDIA C2075 graphic cards.

The following enhancement has been added to BIOS version 03.19:

- Adds support for booting to FAT12 images on USB devices.

The following enhancements have been added to BIOS version 03.15:

- Adds support for PCI Express cards that require additional bus resources.
- Adds acoustical tuning for systems with the NVIDIA NVS300 Graphics Card installed.

The following enhancements have been added to BIOS version 03.10:

- Adds support for the Microsoft Windows 7 Ultimate Edition Operating System (32-bit).
- Provides updated memory reference codes.
- Provides updated fan values for the new ATI and NVIDIA Graphics Cards.
- Turns off the internal speaker while the system is in Standby mode for improved power savings.
- Enables "Runtime Power Management" availability in HP Performance Advisor.
- Enables the Microsoft Windows Management Instrumentation (WMI) sensor events for fan stalls.

Installation Instructions

This SoftPak includes the following methods for changing the BIOS version:

- Use HPQFlash to upgrade the BIOS directly in a Microsoft Windows environment.
- Use the utilities in this package to flash the BIOS in a DOS environment from bootable media.
- Use the ROM images in this package with the Computer Setup Utility (F10) to flash the BIOS from a USB flash drive or CD-ROM drive.

This package can be used with HP System Software Manager (SSM), HP Client Management Solution (HPCMS), or pre-boot execution environment (PXE) management software for remote updating of the BIOS.

WARNING: DO NOT TURN OFF POWER OR ATTEMPT TO REBOOT THE COMPUTER DURING THE UPGRADE PROCESS!

1. Download the file by clicking the "Download" or "Obtain Software" button and saving the file to a folder on your hard drive (make a note of the folder where the downloaded file is saved).
2. Double-click the downloaded file and follow the on-screen instructions to update the System BIOS.

NOTE: If remote flashing is required, see the remote utility documentation for instructions about creating a Remote ROM Flash job to flash the

System ROM on target workstations on the network.

System Requirements

None

Release Notes

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PURPOSE: Recommended

SOFTPAQ NUMBER: SP63463

SOFTPAQ FILE NAME: sp63463.exe

SOFTPAQ FILE MD5: 0x1795fe4ff0c1d235edbea77accb9eef7

SUPERSEDES: None

CATEGORY: BIOS

SSM SUPPORTED: Yes

PRODUCT TYPE(S):

Workstations

HARDWARE PRODUCT MODEL(S):

HP Z800 Workstation

SOFTWARE PRODUCT(S):

None

OPERATING SYSTEM(S):

Microsoft Windows 7 32-bit Enterprise

Microsoft Windows 7 32-bit Professional

Microsoft Windows 7 32-bit Ultimate

Microsoft Windows 7 64-bit Enterprise

Microsoft Windows 7 64-bit Professional

Microsoft Windows 7 64-bit Ultimate

Microsoft Windows Vista Business 32 Edition

Microsoft Windows Vista Business 64 Edition

Microsoft Windows Vista Enterprise 32 Edition

Microsoft Windows Vista Enterprise 64 Edition

Microsoft Windows Vista Home Basic 32 Edition

Microsoft Windows XP Professional

Microsoft Windows XP Professional x64 Edition

LANGUAGE(S):

Arabic

Brazilian Portuguese

Bulgarian

Chinese(PRC Simplified)

Croatian

Czech

Danish

Dutch

Estonian

Finnish

French

German

Greek

Hebrew

Hongkong

Hungarian

Italian

Japanese

Korean

Latin America

Latvian

Lithuanian

Norwegian

Polish

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Russian

Serbian

Slovak

Slovenian

Spanish

Swedish

Taiwanese Chinese

Thai

Turkish

Ukrainian

US English

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- Enables "Runtime Power Management" availability in HP Performance Advisor.
- Enables the Microsoft Windows Management Instrumentation (WMI) sensor events for fan stalls.

FIXES:

The following fix has been made in BIOS version 03.21:

- Corrects an issue on high-frequency 5600 and 3600 CPUs where Windows 7 would report the following error: "Performance power management features on processor 7 in group 0 are disabled due to a firmware problem. Check with the computer manufacturer for updated firmware."

The following fixes have been made in BIOS version 03.19:

- Fixes an issue where the system made a USB port "Available" after an S3 cycle, regardless of the F10 "USB Device" security setting. The USB security setting state is now restored after an S3 cycle.
- Fixes INT19 to support the Windows 2000 RIS server.

The following fixes have been made in BIOS version 03.15:

- Corrects an issue where the system powers on after an AC power cycle, regardless of the specified "After Power Loss" BIOS setting. The "After Power Loss" state is now restored after a Sleep cycle (S3).
- Corrects an issue where the BIOS Setup Utility (F10) Data Protection System (DPS) self-test exits with a "Test F10 Self-test cannot be implemented" message when run on Solid State Drives (SSDs). Now the BIOS Setup Utility DPS self-test runs successfully for SSDs.

The following fix has been made in BIOS version 03.13:

- Corrects an intermittent issue where the system stops responding (hangs) during the Power-On Self-Test (POST) the first time the workstation is started (booted) after plugging in the AC power. Subsequent startups work with no issue.

The following fix has been made in BIOS version 03.12:

- While the implications of the issue are difficult to quantify, any of the following symptoms can occur: The workstation may hang or present a machine check error when transitioning out of a C6 Sleep state.

The following fixes have been made in BIOS version 03.10:

- Corrects an issue where the Advanced Encryption Standard (AES) feature is disabled on dual-CPU systems that have Intel 5600 Series Processors installed.
- Corrects an issue where the system stops responding (hangs) during the Power-On Self-Test (POST) with onboard serial attached SCSI (SAS) disabled and a graphics card installed in slot 7.
- Corrects an issue where the system stops responding during POST while the onboard SAS option ROM is executing on systems with a video capture card and graphics card installed.
- Corrects an issue where FreeDOS stops responding (crashes) while booting.

PREREQUISITES:

None

INSTALLATION INSTRUCTIONS:

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Revision History

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