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HP BladeSystem c-Class Onboard Administrator Firmware

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Type: Firmware - Blade Infrastructure
Version: 2.31 (14 Nov 2008)
Operating System(s): Microsoft Windows Server 2003, Microsoft Windows Server 2003 for 64-bit Extended Systems, Red Hat Enterprise Linux 3 (AMD64/EM64T), Red Hat Enterprise Linux 3 (x86), Red Hat Enterprise Linux 4 (AMD64/EM64T), Red Hat Enterprise Linux 4 (x86), Red Hat Enterprise Linux 5 Server (x86), Red Hat Enterprise Linux 5 Server (x86-64), SUSE Linux Enterprise Server 10 (AMD64/EM64T), SUSE Linux Enterprise Server 10 (x86), SUSE Linux Enterprise Server 9 (AMD64/EM64T), SUSE Linux Enterprise Server 9 (x86)

File name: hpoa231.bin (13 MB) [Download »](#)

» **Description Enhancements** » **Installation Instructions** » **Release Notes** » **Fixes** » **Revision History**

New support:

- Support for new c-Class hardware devices including:
 - HP ProLiant BL460c G5
 - HP ProLiant BL465c G5
 - HP ProLiant BL495c G5
 - HP ProLiant BL680c G5
 - HP ProLiant BL685c G5
 - HP ProLiant xw2x220c Blade Workstation
 - HP ProLiant xw460c Blade Workstation
 - HP StorageWorks SB 1760c Tape Blade
 - HP Virtual Connect Flex-10 10Gb Ethernet Module
 - HP Virtual Connect 4Gb Fibre Channel Module
 - HP NC532m Dual Port 10GbE Multifunction BL-c Adapter
 - HP Smart Array P700m Controller
 - HP 2400W High Efficiency Power Supply for the c7000 enclosure
- Support HP Insight Power Manager v2.00

Functional Enhancements:

- Enclosure Dynamic Power Capping – Dynamically manages an enclosure's power allocation to a data center's provisioned power envelope. See the OA User Guide v2.30 for more in-depth information.
 - Requires iLO v1.70 and iLO Advanced or iLO Select License.
 - Requires System ROM v9.1 or later.
 - To function properly across linked enclosures, all linked enclosures are required to be updated to OA v2.31.
- Added USB Key Support to all HP c-Class BladeSystem Enclosures
 - New OA CLI commands to support showing *.BIN, *.CFG and *.ISO files on USB key and connecting to servers
 - *.BIN file on USB key for OA firmware update
 - *.CFG file on USB key for OA configuration save/restore
 - New Insight Display USB Menu screen providing OA firmware update or OA configuration save/restore

- *.ISO files on USB key for CD/DVD image files to be connected to servers
- Blade OS installations can be run directly from an ISO file on a USB key which eliminates the need to burn physical CD/DVD media and allows each blade to access different ISO files.
- HP BladeSystem Firmware Deployment Tool maintenance CD can be used directly from the .ISO file on a USB Key without burning a physical CD.
- Enhanced OA GUI Enclosure DVD support including connecting *.ISO files on USB key to servers
- Support LDAP and Active Directory nested groups. This feature has been tested up to a depth of 30 nested groups but there is no limit in the depth.
- Added remote user IP address to syslog entry for successful login to OA
- Changed OA GUI privilege to all users to access Insight Display screenshots
- Increase supported length of the x.509 certificate.
- Added user configurable timeout values for telnet, SSH and GUI sessions.
- Security fix to allow OA administrator to enable/disable OA GUI login display of Extended Data.
- Support for both English and Japanese OA GUI versions with same firmware image.
- Added setting to allow user-specific English or Japanese language selection or use default browser language settings.

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