

Contents

- 1 UPDATING GCM16, GCM32 (1754D1X, 1754D2X) FIRMWARE 1
- 2 CHANGE HISTORY FOR EMERSON_FW_GCM16_GCM32_V1.26.1.23978..... 2
 - 2.1 ENHANCEMENTS..... 2
 - 2.2 PROBLEMS FIXED 3
- 3 UPDATE PROCEDURE..... 4
 - 3.1 LCM8, LCM16, REFER LCM8, 16 INSTALLATION AND USER GUIDE 4
 - 3.2 GCM16, GCM32, REFER TO GCM16, 32 INSTALLATION AND USER GUIDE 4
- 4 NOTICES..... 5
 - 4.1 TRADEMARKS 5

1 UPDATING GCM16, GCM32 (1754D1X, 1754D2X) FIRMWARE

Visit <http://www.ibm.com/support/> and download the latest FLASH firmware. Save the FLASH upgrade file to the appropriate directory on the TFTP server.

To upgrade the switch firmware:

1. From the side navigation bar, select **Unit View > Appliance > Overview** to open the Unit Overview window.
2. Click **Upgrade Firmware** to open the Upgrade Appliance Firmware.
3. Select one of the following options from which to load the firmware file: **File System**,

TFTP, FTP, or HTTP.

NOTE: The File System option is only available on the remote OBWI

4. If you selected File System, select **Browse** to specify the location of the firmware upgrade file.

-or-

If you selected TFTP, enter the Server IP Address and Firmware File you wish to load.

-or-

If you selected FTP or HTTP, enter the Server IP Address and Firmware File you wish to load, as well as the User Name and User Password.

5. Click **Upgrade.**

After the Flash memory is reprogrammed with the upgrade, the switch performs a soft reset, which terminates all CO cable sessions. A target device experiencing a CO cable firmware update may not display, or may display as disconnected. The target device will appear normally when the Flash update is completed.

Attention: Disconnecting a CO cable during a firmware update or cycling power to the target device will render the module inoperable and require the CO cable to be returned to the factory for repair.

2 CHANGE HISTORY FOR EMERSON_FW_GCM16_GCM32_v1.26.1.23978

NOTE: Firmware updates to 1.20.0.x and higher are NOT reversible to firmware versions earlier than 1.20.0.x!

2.1 ENHANCEMENTS

-Version 1.26.1.23978

1.18 OpenSSL has been updated for "POODLE"

1.17 Increased the length of the public key used in the SSL certificate from 512 bits to 1024 bits

1.16 Improved product security

- Version 1.20.20.23447

1.15 There are no enhancements in this version

- Version 1.20.11.23039

1.14 There are no enhancements in this version

- Version 1.20.0.22575

1.13 Added Support for the Virtual Media Conversion Option G3 Cable

-Version 1.18.0.22011

1.12 Local Port User Interface Improvements – user interface modified to add filtering, paging, and screen navigation options that will improve the speed and flexibility of how a user can select and move from one target device to another using the local port.

1.11 FIPS 140-2 Support

1.10 Google Chrome Version 19 and higher browser support

1.9 Internet Explorer 9 browser support

1.8 Mozilla Firefox Version 10 and higher browser support

1.7 OBWI and Local Port user interfaces will display the appropriate USB speed setting

1.6 Virtual Media mapping of ISO images on Windows 2008 targets

-Version 1.10.18.20468

1.5 Increased the length of the public key used in the SSL certificate from 512 bits to 1024 bits. The firmware upgrade will automatically result in a certificate with a fixed length of 1024 bits.

1.4 Improved the randomization mechanism used to seed the SSL certificate generation algorithm.

- Version 1.10.10.18462

1.3 SSLv2 and weak ciphers are disabled by default

-Versions 1.4.5.15701

1.2 There are no enhancements in the version

-Version 1.4.2.15036

1.1. Initial release.

2.2 PROBLEMS FIXED

-Version 1.26.1.23978

2.20 OpenSSL has been updated for "POODLE"

- Version 1.20.20.23447

2.19 Fixed Product DB Record 37809: Cross-site scripting non-persistent

2.18 Fixed Product DB Record 37808: Authenticated user reading arbitrary files

2.17 Fixed Product DB Record 37807: Remote code execution

- Version 1.20.11.23039

2.16 Java 7 Update 51 blocking KVM and Serial sessions

- Version 1.20.0.22575

2.15 IBM_06_27_13 487234-277017755 – security vulnerability using ping.php

2.14 Corrected trap MIB file to use "IBMGCM"

2.13 Upgraded Error Correction Code (ECC) NAND Flash Implementation which results in firmware updates to 1.20.0 and higher are NOT reversible to firmware versions earlier than 1.20.0!

-Version 1.18.0.22011

2.12 BREAK command in OBWI serial session viewer not transmitted to target

-Version 1.10.18.20468

2.11 Increased the length of the public key used in the SSL certificate from 512 bits to 1024 bits. The firmware upgrade will automatically result in a certificate with a fixed length of 1024 bits.

2.10 Improved the randomization mechanism used to seed the SSL certificate generation algorithm.

- Version 1.10.10.18462

2.9 Local Port cannot log in when units are in secure mode

2.8 Port 16 video instability issue

2.7 NAND flash boot issue - Error Correction Code (ECC) implemented to detect and correct small number of possible defects

2.6 Pressing PrintScreen fails to invoke Local Port OBWI

2.5 User Administrator are no longer able to view the appliance configuration options in OBWI nor create nor manage Appliance Administrator accounts

2.4 Bottom portion of full screen mode was not visible

2.3 Not allowing mounting of ISO images with Win2k8

2.2 Cannot start serial session with Avocent Session Viewer using DSView

-Version 1.4.5.15701

2.1 -New OBWI online help to replace instances of "MergePoint Access" with "DSView"

-Version 1.4.2.15036

2.0 -Initial release.

3 UPDATE PROCEDURE

3.1 LCM8, LCM16, REFER LCM8, 16 INSTALLATION AND USER GUIDE
<http://www.ibm.com/support/entry/portal/docdisplay?Indocid=MIGR-5085151>

3.2 GCM16, GCM32, REFER TO GCM16, 32 INSTALLATION AND USER GUIDE
<http://www.ibm.com/support/entry/portal/docdisplay?Indocid=MIGR-5083733>

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