

Gigabyte Management Console User's Guide

(For ASPEED AST 2400 Chipset)

Version: 1.4

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Using Your Gigabyte Management Console

The Gigabyte Management Console has a user-friendly Graphics User Interface (GUI) called the Gigabyte Management Console GUI. It is designed to be easy to use. It has a low learning curve because it uses a standard Internet browser. You can expect to be up and running in less than five minutes. This chapter allows you to become familiar with the Gigabyte Management Console GUI's various functions. Each function is described in detail.



Gigabyte Management Console Key Features and Functions

- Support IPMI v2.0
- Out-of-band monitoring and control for server management over LAN.
- FRU information report includes main board part number, product name, and manufacturer, etc.)
- Health status/Hardware monitoring report.
- Events log, view, and clear.
- Event notification via PET (Platform Event Trap).
- Platform Event Filtering (PEF) to take selected action for selected events.
- Chassis management includes power control and status report, front panel buttons and LEDs control.
- Support multi-session user, and alert destination for LAN channel.

Software Install

Prerequisites on remote management PC

Before installing Java tool, please check your system for the following required configuration requirements:

- Supported Browsers:
 - Internet Explorer 8~12
 - Google chrome Version 29.0.1547.66m
 - Firefox 2.0
- JAVA Recommended Version 8 Update 25 or later version (file size: ~ 623KB)

Install Java Tool

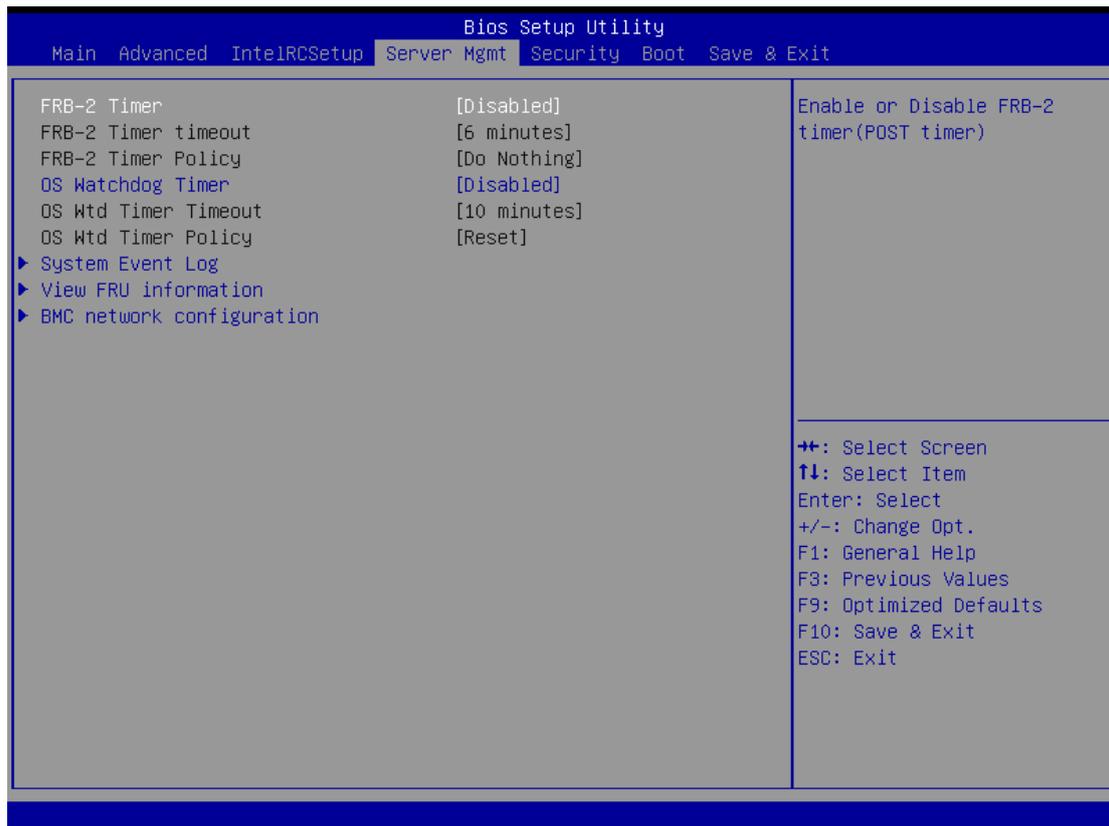
Please follow the instruction to install Java in Windows operating system.

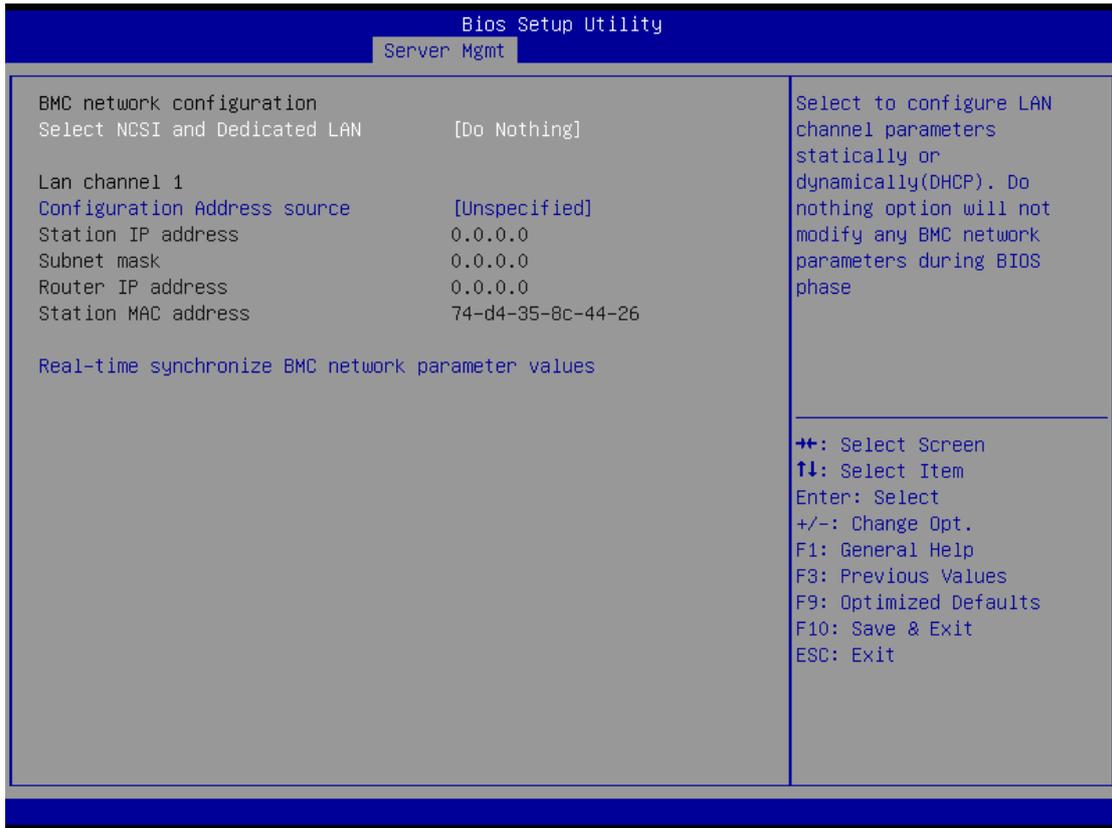
1. Go to <http://www.java.com>
2. Click Download on the middle of the home page.
3. Click on Agree and Start Free Download
4. Click see all Java downloads
5. Select the operating system you are using.
6. Choose the folder location. (Save the file to a known location on your computer)
7. Click Save.
8. Click Yes to replace.
9. Verify that the
 - Name of the file is **JavaSetup8u25.exe**
 - Size is approximately 623KB.
10. Close all applications including the browser.
11. Double-click on the saved file icon to start the installation process.

Gigabyte Management Console Network Configuration

Please follow the instruction to enable the console redirection function.

1. Go to BIOS setup menu.
2. Select **Server Management**.
3. Select **BMC network Configuration**
4. Define Configuration Address source to **DynamicBmcDhcp** or **Static**.
5. Save and Exit.
6. The **BMC IP Address** will appear on the **IPv4 Address** parameter.





7. Save the configuration and exit BIOS setup menu.

Using the Web UI

The BMC firmware features an embedded web server, enabling users to connect to the BMC using an Internet browser (Microsoft® Internet Explorer™).

The web server shall support 4 concurrent connections

Web-based GUI is supported on the following browsers:

Microsoft Windows:

- Internet Explorer 8 ~ 12
- Mozilla® Firefox® 2.0 or later

Linux:

Mozilla Firefox 2.0 or later

Gigabyte Management Console Overview



Logon to:

Username:

Password:

OK Cancel



1. Open a web browser and type in your identified IP. The IP address can be found using your DHCP server.
2. A dialog box prompts you to enter Username and Password.
3. Enter the following values:

Username: **admin**

Password: **password**



If your motherboard is Intel C20x series chipset, please enter the following values:

Username: **root**

Password: **superuser**



The default user name and password are in lower-case characters.



When you log in using the root user name and password, you have full administrative powers. It is advised that once you log in, you change the root password.

Enter Gigabyte Management Console

After you successfully log into your Gigabyte Management Console, the Remote Management Console GUI appears.

Properties

Properties displays the firmware version of current remote client system.

MergePoint® Embedded Management Software Support Help About Logout

GIGABYTE™ Welcome admin (Administrator) !
Wed Nov 4 2015 13:46:01 (UTC+0000)

- ▣ MergePoint® EMS
 - ▣ Properties
 - ▣ Configuration
 - Network
 - Network Security
 - Security
 - Users
 - Services
 - IPMI
 - Time Settings
 - Language
 - Sessions
 - LDAP
 - Update
 - Utilities
 - ▣ Server Information
 - Sensor Monitor
 - ▣ Power
 - Control
 - Consumption
 - System Event Log
 - ▣ Event Management
 - Platform Events
 - Trap Settings
 - Email Settings
 - Serial Over LAN
 - ▣ vKVM & vMedia
 - Launch
 - Configuration
 - ▣ System Information
 - Processor Information
 - Memory Device
 - HDD Information

Properties

[Refresh](#)

Platform Information

Manufacturer	GIGABYTE
Product Name	R180-F34
BIOS Version	F06
BIOS Release Date	01/23/2015

Firmware Information

Product Name	MergePoint EMS
Product Information	MergePoint Embedded Management Software
Firmware Version	3.05
Firmware Updated	28 Oct 2015, 18:04:02 (UTC+0000)
ASIC Type	ast2400

Configuration

Network

You can view and modify the network settings on this screen. Select the Network **Mode** from the drop-down list.

1. Dedicate Mode

When set to Dedicate Mode, you can configure the BMC related settings through the BMC port.

2. Shared Mode

When set to Shared Mode, you can configure the BMC related settings through the NIC2 port. (Shared NIC Mode)

3. Failover Mode

When set to Failover Mode, you can configure the BMC related settings through the BMC or NIC2 port. (Backup Mode)

When you finish configuration, click **Apply Change**.

Please note that the changes may not take effect immediately, click "Refresh" to take effect of changes.

The screenshot shows the 'Network' configuration page in the Gigabyte Embedded Management Software. The page has a blue header with the 'GIGABYTE' logo and user information: 'Welcome admin (Administrator) ! Wed Nov 4 2015 13:46:41 (UTC+0000)'. A left sidebar contains a navigation menu with categories like 'MergePoint EMS Properties', 'Configuration', 'Server Information', and 'System Information'. The main content area is titled 'Network' and includes 'General Settings' and 'Network Interface Configuration'.

General Settings

To change the Network settings may change IP address settings.
Each change to settings may cause a loss in connectivity and the termination of all sessions.
Changes may not take effect immediately.

Mode	1
Host Name	MergePoint-EMS
DNS Domain Name	gigabyte.intra
Global DNS	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
Global Dynamic DNS	<input type="radio"/> Enabled <input type="radio"/> Disabled <input checked="" type="radio"/> By Interface

Network Interface Configuration

Name	iF Enabled	IPv4 Enabled	IPv4 Address	IPv6 Enabled	IPv6 Address
eth1	Enabled	Enabled	10.1.111.97	Disabled	:::0

Network Security

You can configure the network security settings on this screen. Check the **IP Blocking Enabled** box and input the desire value of **IP Blocking Fail Count**, **IP Blocking Fail Window**, and **IP Blocking Penalty Time**. After you finish the configuration, click **Apply Change** to save the settings.

The screenshot shows the 'Network Security' configuration page. The page header includes 'MergePoint® Embedded Management Software' and 'Support Help About Logout'. The GIGABYTE logo is prominently displayed. A navigation menu on the left lists various system settings. The main content area is titled 'Network Security' and includes an 'Apply Changes' button. Below the title, there is a table for configuring network security settings.

Setting	Value	Unit
IP Blocking Enabled	<input checked="" type="checkbox"/>	
IP Blocking Fail Count	16	
IP Blocking Fail Window	60	Seconds
IP Blocking Penalty Time	30	Seconds

Security

The Security page shows the current certificate status.

To generate a new certificate, click **Generate Certificate**.

To upload a certificate, click **Upload Certificate**.

MergePoint® Embedded Management Software Support Help About Logout

GIGABYTE™ Welcome admin (Administrator) !
Wed Nov 4 2015 13:47:56 (UTC+0000)

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 - HDD Information

Security

[Generate Certificate](#) [Upload Certificate](#)

Current Certificate:

```
Serial Number      : BC718D81036B2728
Subject Information:
Country Code (CC)  : US
State (S)          : FL
Locality (L)       : Sunrise
Organization (O)   : Avocent
Organizational Unit (OU) : AESS
Common Name (CN)   : avocent.com

Issuer Information:
Country Code (CC)  : US
State (S)          : FL
Locality (L)       : Sunrise
Organization (O)   : Avocent
Organizational Unit (OU) : AESS
Common Name (CN)   : avocent.com

Valid From         : 17 Dec 2013, 13:22:27 (UTC+0000)
Valid To           : 06 Oct 2016, 13:22:27 (UTC+0000)
```

Users

To configure a specific user, click the Users ID. To display new user information, click **Refresh**.

NOTE: BMC convention for enabling an 'anonymous' login is to configure the entry for User ID 1 with a null username (all zero's) and a null password (all zero's). Applications may then present this to the user as an anonymous login.

MergePoint® Embedded Management Software Support Help About Logout

GIGABYTE™ Welcome admin (Administrator) !
Wed Nov 4 2015 13:48:17 (UTC+0000)

- ▣ MergePoint® EMS
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Users

[Apply Changes](#) [Refresh](#)

To configure a particular user, click the User ID. If Password policy check is enabled, password strength checking will be enabled while updating user configuration.

Password Policy Check Enable

User ID	State	User Name	User Role	IPMI LAN Privilege	IPMI Serial Privilege	Serial Over LAN
1	Disabled		None	Administrator	Administrator	Enabled
2	Enabled	admin	Administrator	Administrator	Administrator	Enabled
3	Enabled	user3	User	None	None	Disabled
4	Disabled		None	None	None	Disabled
5	Disabled		None	None	None	Disabled
6	Disabled		None	None	None	Disabled
7	Disabled		None	None	None	Disabled
8	Disabled		None	None	None	Disabled
9	Disabled		None	None	None	Disabled
10	Disabled		None	None	None	Disabled
11	Disabled		None	None	None	Disabled
12	Disabled		None	None	None	Disabled
13	Disabled		None	None	None	Disabled
14	Disabled		None	None	None	Disabled
15	Disabled		None	None	None	Disabled
16	Disabled		None	None	None	Disabled

Services

You can configure the web server parameters (such as, HTTP Port Number, HTTPS Port Number, and Timeout) on a remote computer. By default, the timeout is 1800 seconds.

When you finish the configuration, click **Apply Changes**.

MergePoint® Embedded Management Software Support Help About Logout

GIGABYTE™ Welcome admin (Administrator) !
Wed Nov 4 2015 13:48:34 (UTC+0000)

- ▣ MergePoint® EMS
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Services

[Apply Changes](#)

Web Server

HTTP Port Number	<input type="text" value="80"/>
HTTPS Port Number	<input type="text" value="443"/>
Timeout	1800 seconds
Max Sessions	32
Active Sessions	1

IPMI

This screen contains two sections: IPMI Serial and IPMI Settings.

IPMI Serial

There are four serial configuration in IPMI Serial: **Connection Mode Settings**, **Baud Rate**, **Flow Control**, and **Channel Privilege Level Limit**.

The Connection Mode Settings allows user to select the Console redirection type and to manage the system from a remote location.

Once the connection mode is set, select the Baud Rate and Flow Control from the drop-down list.

With Channel Privilege Level Limit, users can be configured to operate with a particular maximum Privilege Level. Privilege levels tell the BMC which commands are allowed to be executed. The following table shows the Channel Privilege Level.

Users	This may be considered the lowest privilege level.
Operator	All BMC commands are allowed, except for configuration commands that can change the behavior of the out-of-band interfaces. For example, Operator privilege does not allow the capability to disable individual channels, or change user access privileges.
Administrator	All BMC commands are allowed, including configuration commands. An Administrator can even execute configuration commands that would disable the channel that the Administrator is communicating over.

The screenshot displays the IPMI configuration interface. At the top, there is a navigation bar with the Gigabyte logo and user information. A sidebar on the left contains a tree view of system settings. The main content area is titled 'IPMI' and contains two sections: 'IPMI Serial' and 'IPMI Settings'. The 'IPMI Serial' section has four rows of configuration options, each with a label and a dropdown menu. The 'IPMI Settings' section has three rows of configuration options, including a checkbox for 'Enable IPMI Over LAN' and a text input for 'Encryption Key'. An 'Apply Changes' button is located in the top right corner of the main content area.

IPMI Settings

IPMI Settings provides remote configuration over LAN. To activate IPMI remote configuration by LAN, check Enable IPMI Over LAN option, define the Channel Privilege Level Limit, and enter the Encryption Key.

When you finish the configuration, click “Apply Changes”.

Time Setting

This page provides the mechanism to configure the Network Time acquisition method. With Administrator or Operator privilege level, you can modify configuration settings and click the Apply Changes button to execute the settings, as well as click the Sync Time Now button (when in Requested Mode) to request an immediate clock set.

Operation Mode

Configures the NTP Mode. You can Disable NTP, set **Requested Mode**, or **Daemon Mode** in this parameter.

In **Requested Mode**, you can request an immediate clock synchronization with the NTP server; request will be sent when click the Sync Time Now button.

The **Daemon Mode** runs NTP daemon which sends a NTP request at approximately 5 minute intervals. Multiple NTP servers may be specified to provide redundancy.

Time Synchronization Method

Specifies the synchronization method for Requested Mode. Select **Slew mode** when you want to adjust the time smoothly over time if there are time sensitive applications in place. Select **Step mode** to aggressively change the time using settimeofday() system call.

The screenshot displays the 'Time Settings' page in the GIGABYTE Embedded Management Software. The page is titled 'Time Settings' and includes a navigation menu on the left. The main content area is divided into two sections: 'Network Time Protocol' and 'Time Zone Setting'.

Network Time Protocol

Operation Mode	Disabled
NTP Server 1	
NTP Server 2	
NTP Server 3	
Requested Mode's Update Frequency (minutes)	3
Time Synchronization Method	<input type="radio"/> Step Mode <input checked="" type="radio"/> Slew Mode

Time Zone Setting

The Client Time Zone can be changed from modify the time zone of client operating system.

Use Server or Client Time Zone	<input checked="" type="radio"/> Server Time Zone <input type="radio"/> Client Time Zone
Server Time Zone	UTC <input type="button" value="Select..."/> <input type="button" value="Set to UTC"/>

The page also features a navigation menu on the left with categories like MergePoint EMS, Configuration, Power, and System Information. At the top right, there is a user greeting: 'Welcome admin (Administrator)! Wed Nov 4 2015 13:50:54 (UTC+0000)'. Action buttons for 'Sync Time Now', 'Apply Changes', and 'Refresh' are located at the top right of the main content area.

Language

This page allow users to choose preferred language when using the WebUI.

When you finish the configuration, click “Apply Changes”.

The screenshot shows the 'Language' configuration page in the GIGABYTE Embedded Management Software. The page has a dark blue header with the GIGABYTE logo and navigation links. A left sidebar contains a tree view of the software's configuration options. The main content area is titled 'Language' and includes a description, a dropdown menu for selecting the language (currently set to 'English'), and two buttons: 'Apply Changes' and 'Refresh'.

MergePoint® Embedded Management Software Support Help About Logout

GIGABYTE™ Welcome admin (Administrator) !
Wed Nov 4 2015 13:51:27 (UTC+0000)

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Language

[Apply Changes](#) [Refresh](#)

This page provides the language display setting for WebGUI, Virtual KVM Viewer, and Virtual Media Session.

Language

Sessions

This screen displays information on Active Sessions. Additionally, the trash can icon provides the delete function for privileged users. Click **Refresh** to refresh the Sessions status.

MergePoint® Embedded Management Software Support Help About Logout

GIGABYTE™

Welcome admin (Administrator) !
Wed Nov 4 2015 13:51:47 (UTC+0000)

- ▣ MergePoint® EMS
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Sessions

[Session Log](#) [Refresh](#)

Use this page to view information about the active sessions. Additionally, privileged users can click on the trash can icon to kill an active session.

Session ID	User Name	IP Address	Session Type	Kill
1	admin	10.1.2.46	GUI	N/A

LDAP

LDAP screen allows download user list of LDAP server then create Gigabyte Management Console user account from this list directly.

Check the box below to enable LDAP authentication and enter the required information to access the LDAP server. Click **Apply Changes** to save your changes.

MergePoint® Embedded Management Software Support Help About Logout

GIGABYTE™ Welcome admin (Administrator) !
Wed Nov 4 2015 13:52:16 (UTC+0000)

LDAP Configuration Page

[Apply Changes](#) [Refresh](#)

Use this page to configure Lightweight Directory Access Protocol (LDAP).

Enable LDAP

ⓘ Before uploading certificate, any change to Certificate File Path should be saved.

File Path [Upload Certificate](#)

Enable Encryption for LDAP client	<input checked="" type="checkbox"/>
Validate Server Certificate at Binding	<input type="checkbox"/>
Certificate File Path	<input type="text" value="/etc/certs/cacerts/ldap.cert"/>
Use DNS to find servers	<input type="checkbox"/>
Domain Source	<input type="text" value="Use Domain from Login"/>
Domain Name for DNS SRV request	<input type="text"/>
Service Name	<input type="text" value="ldap"/>
Domain Controller 1	<input type="text"/>
Domain Controller 1's Port	<input type="text" value="389"/>
Domain Controller 2	<input type="text"/>
Domain Controller 2's Port	<input type="text" value="389"/>
Domain Controller 3	<input type="text"/>
Domain Controller 3's Port	<input type="text" value="389"/>
Base Domain Name	<input type="text"/>
UID Search Object value	<input type="text" value="sAMAccountName"/>
Group Filter	<input type="text"/>
Binding Method	<input type="text" value="Use Login Credentials"/>
Client ID used with CC binding	<input type="text"/>
Client Password used with CC binding	<input type="text"/>
Group ID Attribute	<input type="text" value="memberOf"/>
Attribute to query permission in group	<input type="text"/>

Updates

The firmware can be updated remotely.

To update firmware, follow the instruction below:

1. Select Update Type.
2. Select the file on your local system by using **Browse**.

Click **Upload** to update to the new version of firmware.

The screenshot displays the GIGABYTE Embedded Management Software interface. At the top, there is a navigation bar with the GIGABYTE logo and the text "MergePoint® Embedded Management Software". On the right side of the navigation bar, there are links for "Support", "Help", "About", and "Logout". Below the navigation bar, a blue sidebar contains a tree view of the software's menu items, including "MergePoint® EMS", "Properties", "Configuration", "Network", "Network Security", "Security", "Users", "Services", "IPMI", "Time Settings", "Language", "Sessions", "LDAP", "Update", "Utilities", "Server Information", "Sensor Monitor", "Power", "Control", "Consumption", "System Event Log", "Event Management", "Platform Events", "Trap Settings", "Email Settings", "Serial Over LAN", "vKVM & vMedia", "Launch", "Configuration", "System Information", "Processor Information", "Memory Device", and "HDD Information".

The main content area is titled "Firmware Update". Below the title, there is an "Upload" section with a blue header. A blue information icon is followed by the text: "Select an image file and click upload. The upload process will terminate all other sessions including Virtual KVM Viewer and Virtual Media Session. After the upload process is started, any attempt to refresh, logout or navigate away from the update page will restart the system."

Below the text, there is a form with two fields: "Firmware Type" with a dropdown menu set to "BMC", and "File Path" with a text input field and a "Browse" button. To the right of the "File Path" field is an "Upload" button.

Utilities

Utilities provides BMC reboot and Factory default restore functions.

1. To reboot system, click **Reboot**.
2. To restore factory default, click **Factory Default**.
3. To set **Fan Threshold**, enter **Probe Name**, **Lower Non-Critical**, **Lower Critical** value, and click **Submit**.
4. To Adjust the PWM offset for the system fans, enter offset values and click **Submit**.
5. To update Logo, select the file on your local system using **Browse** and click **Update**.

The screenshot shows the 'Utilities' page in the GIGABYTE Embedded Management Software interface. The page has a blue header with the GIGABYTE logo and user information: 'Welcome admin (Administrator) | Wed Nov 4 2015 13:53:31 (UTC+0000)'. A left sidebar contains a navigation menu with categories like 'MergePoint® EMS Properties', 'Configuration', 'Server Information', and 'System Information'. The main content area is titled 'Utilities' and contains four sections: 'Reboot', 'Factory Default', 'Set Fan Threshold', and 'Fan Configuration'. The 'Reboot' section has a 'Reboot' button. The 'Factory Default' section has a 'Factory Default' button. The 'Set Fan Threshold' section includes a table with columns for 'Probe Name', 'Lower Non-Critical', and 'Lower Critical', and a 'Submit' button. The 'Fan Configuration' section has a 'Submit' button. The 'Update Logo' section has a 'File Path' input field, a 'Browse...' button, and an 'Update' button.

MergePoint® Embedded Management Software Support Help About Logout

GIGABYTE™

Welcome admin (Administrator) |
Wed Nov 4 2015 13:53:31 (UTC+0000)

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Server Information

General Setting

This page displays a real-time record of the system health related information such as Voltage, Power Supplies, Fans and Temperatures. Define **Auto Refresh Interval** and **Sensor Type** form the drop-down list, and select **Display Type**. Click **Refresh** to update current health status for Voltage, Power Supplies, Fans and Temperatures.

MergePoint® Embedded Management Software
Support Help About Logout

Welcome admin (Administrator) | Tue Apr 7 2015 10:51:20 (UTC+0500)

- MergePoint® EMS Properties
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Sensor Monitor

General Settings

Auto Refresh Interval:

Sensor Type:

Display Type: All Sensors Active Sensors

Probe List

Status	Probe Name	Reading	Lower Non-Critical	Upper Non-Critical	Lower Critical	Upper Critical	Lower Non-Recoverable	Upper Non-Recoverable
⊕	P12V	12.504 V	10.752 V	13.224 V	10.324 V	13.656 V	N/A	N/A
⊕	P5V	5.0851 V	4.5087 V	5.4643 V	4.2889 V	5.6376 V	N/A	N/A
⊕	PSV3	3.2548 V	2.9704 V	3.6182 V	2.8282 V	3.7804 V	N/A	N/A
⊕	P5V_STBY	5.1062 V	4.5087 V	5.4643 V	4.2889 V	5.6376 V	N/A	N/A
⊕	P_1V05_PCH	1.0682 V	0.9408 V	1.1554 V	0.9016 V	1.1956 V	N/A	N/A
⊕	P_1V8AT	3.103 V	2.997 V	N/A	2.561 V	N/A	N/A	N/A
⊕	P_VCCIN_P0	1.8032 V	1.8034 V	2.0384 V	1.2250 V	2.1266 V	N/A	N/A
⊕	P_VCCIN_P1	1.8130 V	1.8034 V	2.0384 V	1.2260 V	2.1266 V	N/A	N/A
⊕	P_VDDQ_AB	1.2448 V	1.0780 V	1.3230 V	1.0280 V	1.3720 V	N/A	N/A
⊕	P_VDDQ_CD	1.2250 V	1.0780 V	1.3230 V	1.0280 V	1.3720 V	N/A	N/A
⊕	P_VDDQ_EF	1.2348 V	1.0780 V	1.3230 V	1.0280 V	1.3720 V	N/A	N/A
⊕	P_VDDQ_GH	1.2348 V	1.0780 V	1.3230 V	1.0280 V	1.3720 V	N/A	N/A
⊕	P_VCCIO_PCH	1.0584 V	0.9408 V	1.1554 V	0.9016 V	1.1956 V	N/A	N/A
⊕	P_1V5_PCH	1.5190 V	1.3524 V	1.6464 V	1.2838 V	1.7052 V	N/A	N/A
⊕	P_1V05_STBY_PCH	1.0584 V	0.9408 V	1.1554 V	0.9016 V	1.1956 V	N/A	N/A
⊕	P_1V0_AUX_LAN	0.9960 V	0.9016 V	1.0976 V	0.8524 V	1.1368 V	N/A	N/A
⊕	P_1V6_LAN	1.7600 V	1.6200 V	1.9600 V	1.5400 V	2.0600 V	N/A	N/A
⊕	P_1V53_AUX	1.5450 V	1.3800 V	1.6920 V	1.3200 V	1.7520 V	N/A	N/A
⊕	P_1V26_AUX	1.2720 V	1.1280 V	1.3800 V	1.0680 V	1.4400 V	N/A	N/A
⊕	VR_PD_VIN	11.875 V	10.750 V	13.250 V	10.375 V	13.625 V	N/A	N/A
⊕	VR_PD_VOUT	1.840 V	1.312 V	2.032 V	1.232 V	2.128 V	N/A	N/A
⊕	VR_D_AB_P12V	12.125 V	10.750 V	13.250 V	10.375 V	13.625 V	N/A	N/A
⊕	VR_D_AB_P3V3	3.2175 V	2.9640 V	3.6270 V	2.8275 V	3.7935 V	N/A	N/A
⊕	VR_D_AB_VOUT	1.2168 V	1.0784 V	1.3260 V	1.0280 V	1.3728 V	N/A	N/A
⊕	VR_D_CD_P12V	12.125 V	10.750 V	13.250 V	10.375 V	13.625 V	N/A	N/A
⊕	VR_D_CD_P3V3	3.2175 V	2.9640 V	3.6270 V	2.8275 V	3.7935 V	N/A	N/A
⊕	VR_D_CD_VOUT	1.2012 V	1.0784 V	1.3260 V	1.0280 V	1.3728 V	N/A	N/A
⊕	VR_P1_VIN	12.000 V	10.750 V	13.250 V	10.375 V	13.625 V	N/A	N/A
⊕	VR_P1_VOUT	1.840 V	1.312 V	2.032 V	1.232 V	2.128 V	N/A	N/A
⊕	VR_D_EF_P12V	12.125 V	10.750 V	13.250 V	10.375 V	13.625 V	N/A	N/A
⊕	VR_D_EF_P3V3	3.1980 V	2.9640 V	3.6270 V	2.8275 V	3.7935 V	N/A	N/A
⊕	VR_D_EF_VOUT	1.2168 V	1.0784 V	1.3260 V	1.0280 V	1.3728 V	N/A	N/A
⊕	VR_D_GH_P12V	12.125 V	10.750 V	13.250 V	10.375 V	13.625 V	N/A	N/A
⊕	VR_D_GH_P3V3	3.1980 V	2.9640 V	3.6270 V	2.8275 V	3.7935 V	N/A	N/A
⊕	VR_D_GH_VOUT	1.2168 V	1.0784 V	1.3260 V	1.0280 V	1.3728 V	N/A	N/A

Power Control

The Power Control allows you to power on/off/cycle the remote host system. Additionally you can see the remote power status.

To perform the power control operation, select the operation and click **Apply Changes**.

The screenshot shows the GIGABYTE Power Control interface within the MergePoint Embedded Management Software. The top navigation bar includes the GIGABYTE logo, the text "MergePoint® Embedded Management Software", and user information: "Support Help About Logout", "Welcome admin (Administrator)!", and "Wed Nov 4 2015 13:56:03 (UTC+0000)".

The left sidebar contains a navigation menu with the following items:

- ▣ MergePoint® EMS
 - Properties
 - ▣ Configuration
 - Network
 - Network Security
 - Security
 - Users
 - Services
 - IPMI
 - Time Settings
 - Language
 - Sessions
 - LDAP
 - Update
 - Utilities
 - ▣ Server Information
 - Sensor Monitor
 - ▣ Power
 - Control
 - Consumption
 - System Event Log
 - ▣ Event Management
 - Platform Events
 - Trap Settings
 - Email Settings
 - Serial Over LAN
 - ▣ vKVM & vMedia
 - Launch
 - Configuration
 - ▣ System Information
 - Processor Information
 - Memory Device
 - HDD Information

Power Control

[Apply Changes](#) [Refresh](#)

In this page, you can view your server's power status and click Refresh to refresh the screen. To perform a power control operation, select the operation you wish to perform and click Apply Changes.

Power Status
ON
Power Control Operations
<input type="radio"/> Power On System
<input type="radio"/> Power Off System
<input type="radio"/> Power Cycle System
<input type="radio"/> Hard Reset (Restart)

Power Consumption

This section allows user to configure the power policies for the system.

The screenshot displays the GIGABYTE Embedded Management Software interface. The top navigation bar includes 'MergePoint® Embedded Management Software', 'Support', 'Help', 'About', and 'Logout'. The user is logged in as 'admin (Administrator)' on 'Wed Nov 4 2015 13:56:55 (UTC+0000)'. The left sidebar contains a menu with categories like 'MergePoint® EMS', 'Configuration', 'Server Information', and 'System Information'. The main content area is titled 'Power Consumption' and features two sections: 'Power Reading' and 'Power Limit'. The 'Power Reading' section shows a table with four rows of power consumption data. The 'Power Limit' section contains a table with four rows of configuration options, including checkboxes and input fields for power limits and sampling periods.

Power Reading	
Current Power Consumption	168 W 573 BTU/hr
Max Power Consumption	223 W 761 BTU/hr
Min Power Consumption	7 W 24 BTU/hr
Average Power Consumption	37 W 126 BTU/hr

Power Limit	
Power Limit Management Activated	<input type="checkbox"/>
Power Limit in Watts	<input type="text" value="0"/>
Sampling Period	<input type="text" value="0"/> seconds
Correction Time Limit	<input type="text" value="0"/> milliseconds
Exception Action	OEM defined actions

Power Limit

Check **Power Limit Management Activated** box and input the desired value in the respective columns.

When you finish the configuration, click **Apply Changes**.

System Event Log

It records the event when sensor has an abnormal state. When the log matches the pre-defined alert, the system sends out the notification automatically, if it is pre-configured.

MergePoint® Embedded Management Software
Support Help About Logout

GIGABYTE™
Welcome admin (Administrator) !
Wed Nov 4 2015 13:57:20 (UTC+0000)

- MergePoint® EMS
- Properties
- Configuration
 - Network
 - Network Security
 - Security
 - Users
 - Services
 - IPMI
 - Time Settings
 - Language
- Sessions
- LDAP
- Update
- Utilities
- Server Information
 - Sensor Monitor
 - Power
 - Control
 - Consumption
 - System Event Log
 - Event Management
 - Platform Events
 - Trap Settings
 - Email Settings
 - Serial Over LAN
 - vKVM & vMedia
 - Launch
 - Configuration
 - System Information
 - Processor Information
 - Memory Device
 - HDD Information

System Event Log

Clear Log Save Log Refresh

? To sort system event logs, click the 'Date/Time'.

System Event Count (Current / Maximum) 34 / 514

Severity	Date/Time	Description
✔	[System Boot]	CPU1: Processor sensor, Processor Presence detected was asserted
✔	[System Boot]	CPU0: Processor sensor, Processor Presence detected was asserted
✔	[System Boot]	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	[System Boot]	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	[System Boot]	System Software event, System Event sensor, Timestamp Clock Synch was asserted
✔	2015-10-30 13:55:14 (UTC+0000)	System Software event, System Event sensor, Timestamp Clock Synch was asserted
✔	2015-10-30 13:55:23 (UTC+0000)	PSU1: Power Supply sensor, Presence detected was asserted
✔	2015-10-30 13:55:24 (UTC+0000)	PSU0: Power Supply sensor, Presence detected was asserted
✔	2015-10-30 13:55:41 (UTC+0000)	System Software event, OS Boot sensor, boot completed - boot device not specific was asserted
✔	2015-10-30 13:55:45 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-10-30 13:56:53 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-10-30 13:56:55 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-10-30 14:03:26 (UTC+0000)	CPU1: Processor sensor, Processor Presence detected was asserted
✔	2015-10-30 14:03:26 (UTC+0000)	PSU1: Power Supply sensor, Presence detected was asserted
✔	2015-10-30 14:03:27 (UTC+0000)	CPU0: Processor sensor, Processor Presence detected was asserted
✔	2015-10-30 14:03:27 (UTC+0000)	PSU0: Power Supply sensor, Presence detected was asserted
✔	2015-10-30 14:06:09 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-10-30 14:06:12 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-10-30 14:07:43 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-10-30 14:07:45 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-10-30 14:09:03 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-10-30 14:09:45 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-10-30 14:11:12 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-10-30 14:11:14 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-10-30 14:26:52 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-10-30 14:28:21 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-10-30 14:28:23 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-11-03 10:22:21 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-11-03 10:22:24 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-11-03 18:22:10 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-11-03 18:22:12 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-11-03 18:26:57 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-11-03 18:26:59 (UTC+0000)	System Software event, System Event sensor, OEM System Boot Event was asserted
✔	2015-11-03 18:27:47 (UTC+0000)	System Software event, OS Boot sensor, boot completed - boot device not specific was asserted

Event Management

Platform Event

A platform event filter (PEF) can trigger an action and generate an alert when a critical hardware-related event occurs. For each PEF, you can choose the action to be taken when a platform event occurs.

You can also choose to generate and send an alert when a platform event occurs. In the Platform Events screen, you can enable the generation of platform event alerts globally by clicking Global Alerting Enable.

When you finish the configuration, click **Apply Changes**.

The screenshot shows the GIGABYTE MergePoint Embedded Management Software interface. The top navigation bar includes 'Support', 'Help', 'About', and 'Logout'. The user is logged in as 'admin (Administrator)' on 'Wed Nov 4 2015 13:57:47 (UTC+0000)'. The left sidebar contains a navigation menu with categories like 'MergePoint EMS Properties', 'Configuration', 'Server Information', and 'System Information'. The main content area is titled 'Platform Events' and features an 'Apply Changes' button. Below this, there are two sections: 'Platform Event Filters (PEF) Action Global Control List' and 'Platform Event Filters (PEF) List'.

Platform Event Filters (PEF) Action Global Control List

Action Name
<input checked="" type="checkbox"/> Reboot
<input checked="" type="checkbox"/> Power Cycle
<input checked="" type="checkbox"/> Power Off
<input checked="" type="checkbox"/> Generate PET

Platform Event Filters (PEF) List

Global Alerting Enable i Note: (This enables/disables both PEF and email alerts).

Filter Name	None	Reboot	Power Cycle	Power Off	Generate PET
Threshold Type, Temperature Critical Filter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Threshold Type, Temperature Warning Filter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Threshold Type, Voltage Critical Filter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Threshold Type, Voltage Warning Filter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Threshold Type, Fan Critical Filter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Threshold Type, Fan Warning Filter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Sensor-specific Type, Chassis Intrusion Critical Filter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Sensor-specific Type, Chassis Intrusion Informational Filter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Sensor-specific Type, Processor Critical Filter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Sensor-specific Type, Processor Informational Filter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Sensor-specific Type, Memory Critical Filter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Sensor-specific Type, Memory Informational Filter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Sensor-specific Type, Critical Interrupt Critical Filter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Sensor-specific Type, Critical Interrupt Informational Filter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>

Trap Settings

In the Trap Settings, user can set the IPv4 and Ipv6 Destination List.

IPv6 and IPv4 are two completely separate protocols. IPv6 is not backwards compatible with IPv4, and IPv4 hosts and routers will not be able to deal directly with IPv6 traffic.

IPv6 has a significantly larger address space than IPv4. This results from the use of a 128-bit address, whereas IPv4 uses only 32 bits.

When you finish the configuration, click **Apply Changes**.

MergePoint® Embedded Management Software Support Help About Logout

GIGABYTE™ Welcome admin (Administrator) !
Wed Nov 4 2015 13:59:35 (UTC+0000)

- ▣ MergePoint® EMS
- Properties
- ▣ Configuration
- Network
- Network Security
- Security
- Users
- Services
- IPMI
- Time Settings
- Language
- Sessions
- LDAP
- Update
- Utilities
- ▣ Server Information
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- Control
- Consumption
- System Event Log
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- Platform Events
- Trap Settings
- Email Settings
- Serial Over LAN
- ▣ vKVM & vMedia
- Launch
- Configuration
- ▣ System Information
- Processor Information
- Memory Device
- HDD Information

Trap Settings

[Apply Changes](#)

ⓘ Before sending test trap, please make sure changes to the target Destination and Community String have been saved by clicking Apply Changes.

IPv4 Destination List

	Enable	IPv4 Address	Test
IPv4 Destination 1	<input checked="" type="checkbox"/>	<input type="text" value="0.0.0.0"/>	Send Test Trap
IPv4 Destination 2	<input type="checkbox"/>	<input type="text" value="0.0.0.0"/>	Send Test Trap
IPv4 Destination 3	<input type="checkbox"/>	<input type="text" value="0.0.0.0"/>	Send Test Trap
IPv4 Destination 4	<input type="checkbox"/>	<input type="text" value="0.0.0.0"/>	Send Test Trap

IPv6 Destination List

ⓘ Send Test Trap to IPv6 destinations is disabled due to the IPv6's disability of the system.

	Enable	IPv6 Address	Test
IPv6 Destination 1	<input type="checkbox"/>	<input type="text" value="::"/>	Send Test Trap
IPv6 Destination 2	<input type="checkbox"/>	<input type="text" value="::"/>	Send Test Trap
IPv6 Destination 3	<input type="checkbox"/>	<input type="text" value="::"/>	Send Test Trap
IPv6 Destination 4	<input type="checkbox"/>	<input type="text" value="::"/>	Send Test Trap

Community String

Community Name	<input type="text" value="public"/>
----------------	-------------------------------------

Email Settings

If you want the alert to be sent by email, you can configure to specify the e-mail address, subject and message in the Email Settings. After you finish the configuration, click Apply Change to save the settings.

SMTP

Set E-mail (SMTP) server IP address for sending alert notification to user.

Check the SMTP Authentication **Enabled** box and enter the **SMTP IP address**, **User Name**, **Password**; select the **STARTTLS Mode** and **SASL Mode** from the drop-down list.

When you finish the configuration, click “Apply Changes”.

The screenshot shows the 'Email Settings' page in the GIGABYTE Embedded Management Software. The page includes a navigation menu on the left, a header with the GIGABYTE logo and user information, and several configuration sections:

- Sender Information:** A text input field for 'From' with the value 'MergePoint-EMS@gigabyte.intra'.
- Destination Email Addresses:** A table with columns for 'Enable', 'Destination Email Address', 'Email Description', and 'Test'. It lists four email alerts, each with an 'Enable' checkbox, an empty 'Destination Email Address' field, and a 'MergePoint' description. Each row has a 'Send Alert' button.
- SMTP (email) Server Settings:** Two text input fields: 'SMTP IP Address' (value: 0.0.0.0) and 'SMTP Port Number' (value: 25).
- SMTP Authentication:** An 'Enable' checkbox (checked), a note 'Anonymous account will be used when authentication is disabled.', and three input fields: 'Username', 'Password', 'STARTTLS Mode' (dropdown menu set to 'AUTO'), and 'SASL Mode' (dropdown menu set to 'AUTO').

An 'Apply Changes' button is located in the top right corner of the configuration area.

Serial Over LAN

You can configure the Serial Over LAN settings on this screen. Check the **Enable Serial Over LAN** box and select the **Baud Rate** and **Channel Privilege Limit** from the drop-down list. After you finish the configuration, click **Apply Change** to save the settings.

The screenshot shows the 'Serial Over LAN' configuration page in the MergePoint Embedded Management Software. The page has a blue header with the GIGABYTE logo and navigation links. A left sidebar contains a tree view of the software's menu. The main content area is titled 'Serial Over LAN' and contains three configuration items: 'Enable Serial Over LAN' (checked), 'Baud Rate' (set to 115.2 kbps), and 'Channel Privilege Level Limit' (set to Administrator). An 'Apply Changes' button is located in the top right corner of the configuration area.

MergePoint® Embedded Management Software Support Help About Logout

GIGABYTE™ Welcome admin (Administrator) !
Wed Nov 4 2015 14:00:16 (UTC+0000)

Serial Over LAN Apply Changes

Enable Serial Over LAN	<input checked="" type="checkbox"/>
Baud Rate	115.2 kbps
Channel Privilege Level Limit	Administrator

vKVM & vMedia

vKVM Viewer and Virtual Media Session Launch

This screen allows you to start a Remote Console session with the host system.

MergePoint® Embedded Management Software
Support Help About Logout

GIGABYTE™
Welcome admin (Administrator) !
Wed Nov 4 2015 14:01:10 (UTC+0000)

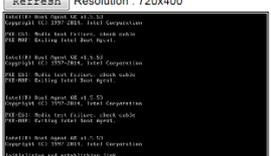
- MergePoint® EMS
 - Properties
 - Configuration
 - Network
 - Network Security
 - Security
 - Users
 - Services
 - IPMI
 - Time Settings
 - Language
 - Sessions
 - LDAP
 - Update
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 - Power
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 - Consumption
 - System Event Log
 - Event Management
 - Platform Events
 - Trap Settings
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 - Serial Over LAN
 - vKVM & vMedia
 - Launch
 - Configuration
 - System Information
 - Processor Information
 - Memory Device
 - HDD Information

Virtual KVM Viewer and Virtual Media Session Launch

Launch Java vKVM Viewer
Launch Java VM Session

① Use above buttons to launch Virtual KVM Viewer and Virtual Media Session.
Also you can preview console screen here. The preview image will be updated every 30 seconds automatically, or you can click the 'Refresh' button to refresh it manually. Note that console image will be unavailable if Virtual KVM Viewer does not detect video signal.

Refresh Resolution : 720x400

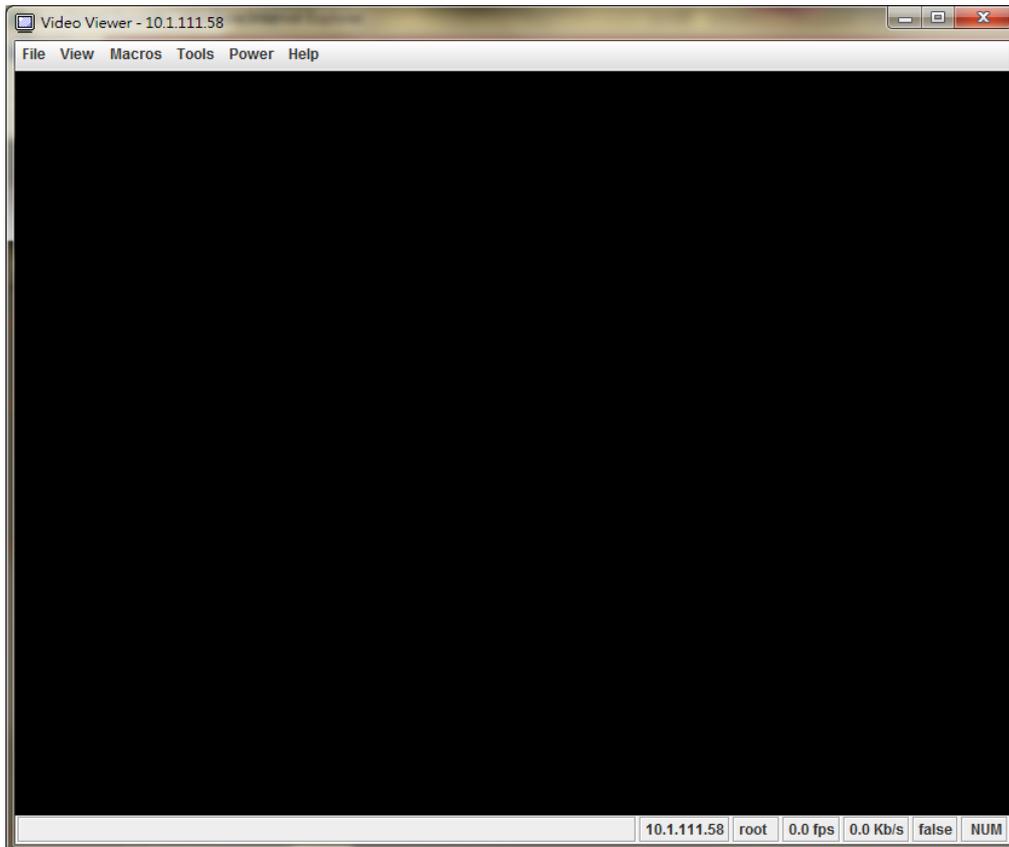


Virtual KVM Viewer Configuration	
Enabled	Yes
Max Sessions	4
Active Sessions	0
Remote Port	2068
Video Encryption Enabled	Yes
Preferred Client Type	Java

Virtual Media Session Configuration	
Enabled	Yes
Max Sessions	1
Active Sessions	0
Encryption Enabled	No
Preferred Client Type	Java

Launch Java KVM Viewer

Click **Launch Java KVM Viewer** to launch the redirection console and manage the server remotely. After clicking the button, a console appears as below:

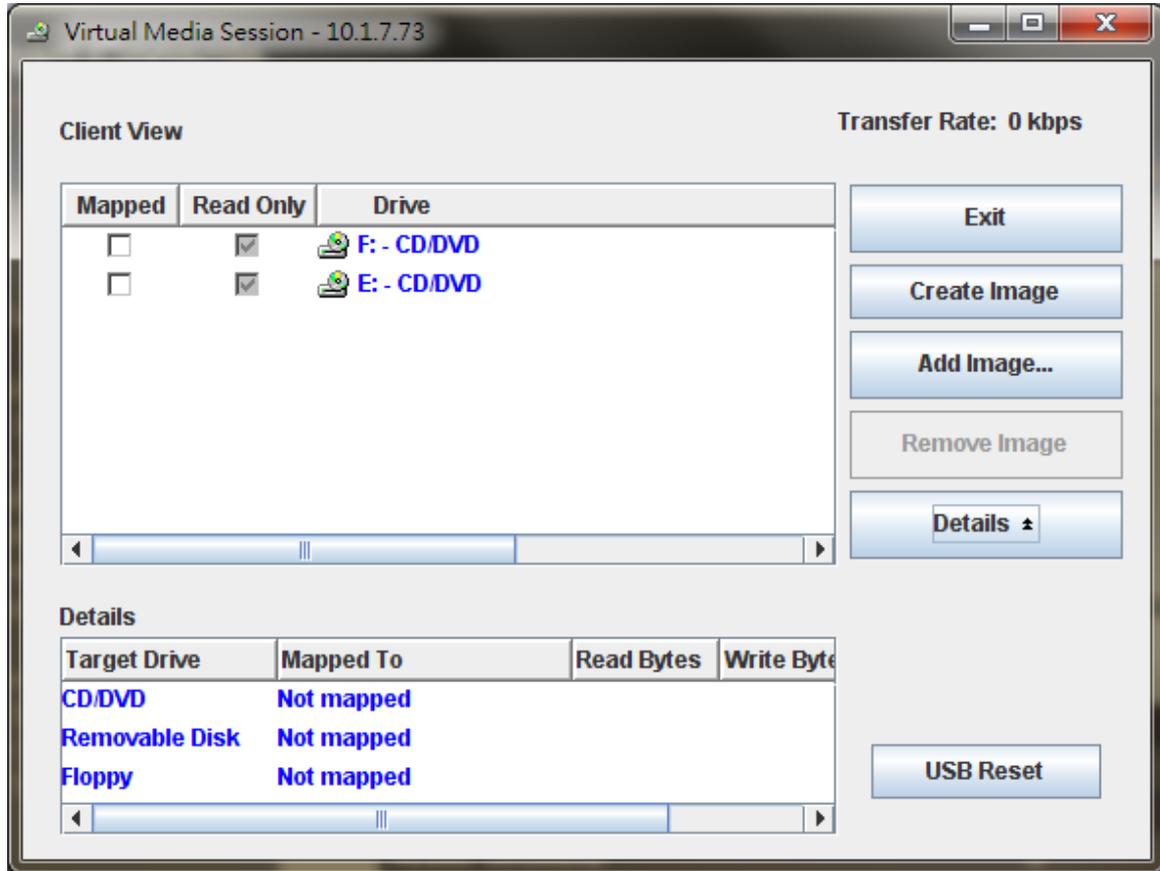


For KVM and remote redirection detail function description, please go to chapter:

KVM Function Description

Launch Java VM Client

Click **Launch Java VM Client** to launch the redirection console and manage the local computer. After clicking the button, a console appears as below:



Function Item	Resulting Action
Mapped	Check the mapped box next to the drive types you want to connect.
Create Image...	Click the Create Image... button and create to the image.
Add Image...	Click the Add Image... button and browse to the image.
Remove Image	Click the Remove Image... button and remove to the image.
Exit	Click Exit button to terminate the Media Redirection wizard.
Details	Click Details to see more information of the image.
USB Reset	Click USB Reset to reset the USB.

vKVM & vMedia Configuration

This screen allows you to configure the Remote Console settings. Check the Virtual KVM Configuration **Enabled** box or Virtual Media Configuration **Enabled** box, and select the **Max Sessions**, **Remote Port**, **Video Encryption Enabled**, and **Preference Client** from the drop-down list. After you finish the configuration, click “Apply Change” to save the settings.

The screenshot displays the GIGABYTE Embedded Management Software interface. At the top, there is a navigation bar with the GIGABYTE logo and user information: "Welcome admin (Administrator)!" and "Wed Nov 4 2015 14:01:36 (UTC+0000)". A sidebar on the left contains a menu with categories like "MergePoint® EMS", "Configuration", "Server Information", and "System Information". The main content area is titled "Virtual KVM Viewer and Virtual Media Session Configuration" and includes an "Apply Changes" button. Below the title, there is a help icon and a note: "Use this page to configure Virtual KVM Viewer and Virtual Media Session." Two configuration panels are shown: "Virtual KVM Viewer Configuration" and "Virtual Media Session Configuration".

Virtual KVM Viewer Configuration	
Enabled	<input checked="" type="checkbox"/>
Max Sessions	4
Remote Port	2068
Video Encryption Enabled	<input checked="" type="checkbox"/>
Preferred Client Type	Java

Virtual Media Session Configuration	
Enabled	<input checked="" type="checkbox"/>
Encryption Enabled	<input type="checkbox"/>
Preferred Client Type	Java

System Information

Processor Information

This page displays the technical specifications of the installed processor.

MergePoint® Embedded Management Software Support Help About Logout

GIGABYTE™ Welcome admin (Administrator) !
Wed Nov 4 2015 14:02:18 (UTC+0000)

- ▣ MergePoint® EMS
 - Properties
 - ▣ Configuration
 - Network
 - Network Security
 - Security
 - Users
 - Services
 - IPMI
 - Time Settings
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 - Sessions
 - LDAP
 - Update
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Processor Information

[Refresh](#)

Socket	SOCKET 0
Manufacturer	Intel
Version	Intel(R) Xeon(R) CPU E5-2650 v3 @ 2.30GHz
Max Speed	2300 MHz
Core Count	10

Socket	BAD OFFSET
Manufacturer	BAD OFFSET
Version	BAD OFFSET
Max Speed	0 MHz
Core Count	0

HDD Information

This page displays the connected hard disk drive and hardware health information.

MergePoint® Embedded Management Software Support Help About Logout

GIGABYTE™ Welcome admin (Administrator) !
Wed Nov 4 2015 14:02:51 (UTC+0000)

- ▣ MergePoint® EMS
 - Properties
 - ▣ Configuration
 - Network
 - Network Security
 - Security
 - Users
 - Services
 - IPMI
 - Time Settings
 - Language
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 - LDAP
 - Update
 - Utilities
- ▣ Server Information
 - Sensor Monitor
 - ▣ Power
 - Control
 - Consumption
 - System Event Log
 - ▣ Event Management
 - Platform Events
 - Trap Settings
 - Email Settings
 - Serial Over LAN
 - ▣ vKVM & vMedia
 - Launch
 - Configuration
 - ▣ System Information
 - Processor Information
 - Memory Device
 - HDD Information

HDD Information

[Refresh](#)

SATA Device

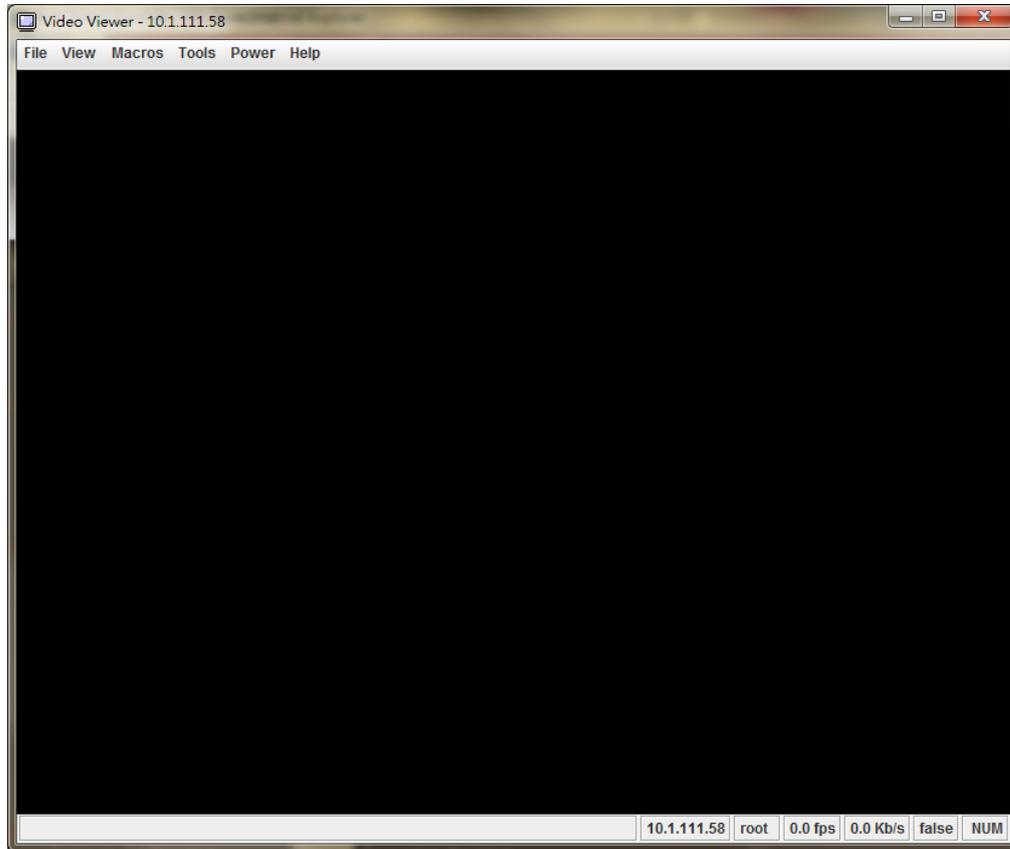
Port Number	Device Name	Device Size
0	ADATA SX1000L	100.0 GB
1	ADATA SX1000L	100.0 GB
2	ADATA SX1000L	100.0 GB
3	ADATA SX1000L	100.0 GB
4	NO HDD	0 MB
5	NO HDD	0 MB

sSATA Device

Port Number	Device Name	Device Size
0	NO HDD	0 MB
1	NO HDD	0 MB
2	NO HDD	0 MB
3	NO HDD	0 MB

KVM Function Description

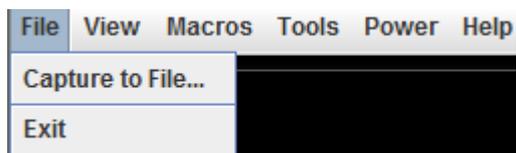
After selecting **KVM Remote Console Redirection** button, system will lead you to the main menu of KVM window which is shown as below:



Main Menu

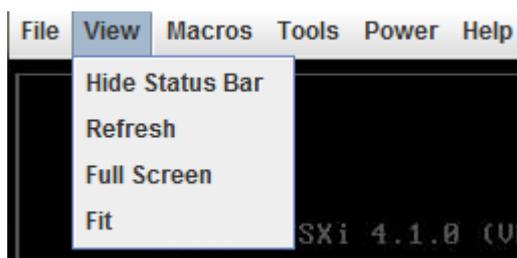
The items in the main menu will be described in the following sections..

File



Menu Item	Resulting Action
File→Capture to File	Save s a snapshot of the target's desktop to a file.
File→Exit	Terminate the KVM session and close.

View

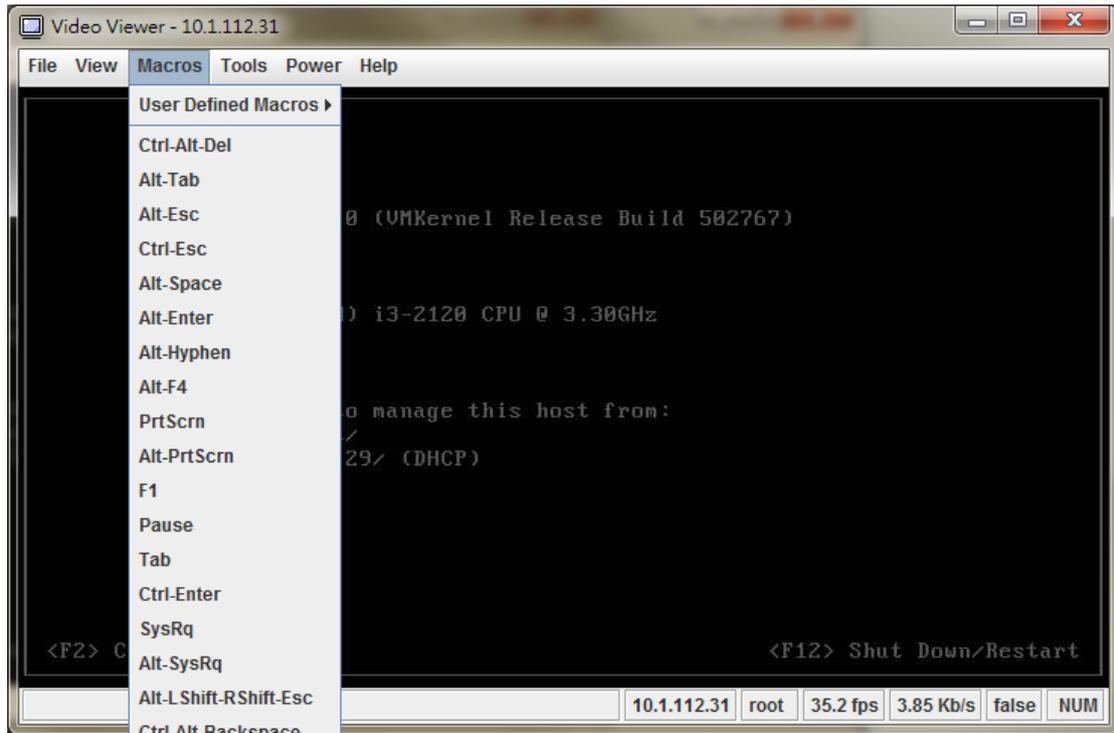


Menu Item	Resulting Action
View → Hide/Show Status Bar	Hide / Show the status bar which includes "Session IP address", "Session Username", "Frame Rate", and "Bandwidth".
View → Refresh	Sends a request to the KVM server asking for a reference screen.
View → Full Screen	Will switch to full screen mode. This menu is only available when not in full screen mode.
View → Fit	Resized the window to the size needed to completely display the targets desktop without an extra border or scrollbars. This will only work if the client desktop is large enough to accommodate the resized window.

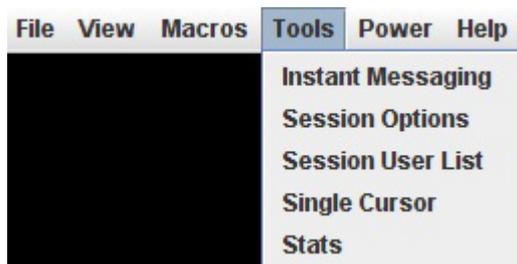
Marcos

Macros are a mechanism to send keystrokes to the target that the user may otherwise not be able to send. One of the most obvious examples of this is the Ctrl-Alt-Del sequence under Window. Because this sequence of keystrokes is intercepted by the Windows OS, the KVM client will never receive the complete sequence and can therefore never send them to the target through normal keyboard operation. The solution to this is to provide an alternate mechanism for generate these keystrokes. We refer to these keystroke sequences as macros.

The list of supported macros is as follows:



Tools

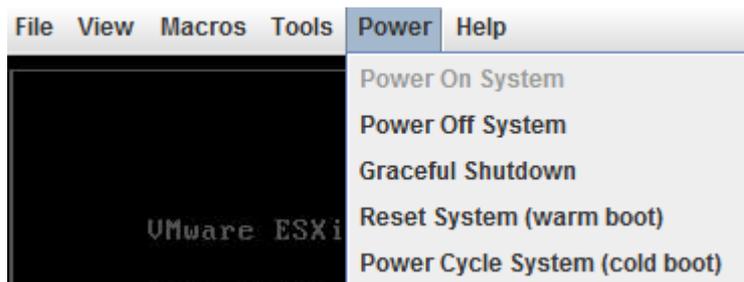


Menu Item	Resulting Action
Tools → Instant Messaging	This will bring up the instant message.
Tools → Session Options	This will bring up the session options dialog. The session options provide the configuration of Keyboard pass through mode, Mouse, and Video Quality .
Tools → Session User List	This will display all shared KVM users name.
Tools → Single Cursor	Causes the viewer to enter single cursor mode.

Tools → Stats

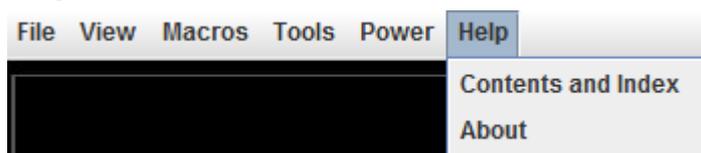
Will display the performance statistics dialog.

Power



Menu Item	Resulting Action
Power → Power On System	Turns the power on.
Power → Power Off System	Turns the power off.
Power → Graceful Shutdown	Issue a graceful shutdown command to the target.
Power → Reset System (warm boot)	Issues a reboot command to the target. Target will reboot without powering off.
Power → Power Cycle System (cold boot)	This will power cycle the target by turning the power off for a short period of time and then back on again.

Help



Menu Item	Resulting Action
Help → Contents and Index	Will cause the viewer help to be displayed.
Help → About	Will display a dialog with the product name, version, and copyright notices.