

Gigabyte Content Management System Console User's Guide

Version: 0.1

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Using Your Gigabyte Content Management System Console

The Gigabyte Content Management System Console has a user-friendly Graphics User Interface (GUI) called the Gigabyte Content Management System 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 Content Management System Console GUI's various functions. Each function is described in detail.



Gigabyte Content Management System 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.

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:

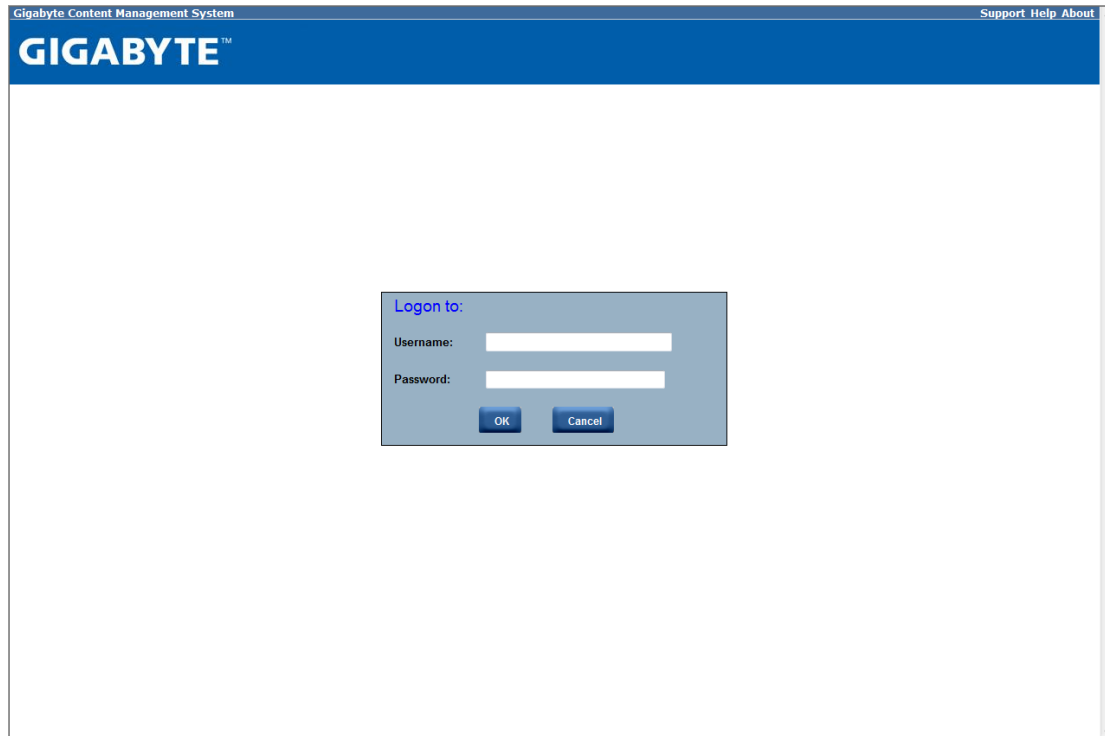
Microsoft Windows:

- Internet Explorer 6 and 7
- Mozilla® Firefox® 2.0 or later

Linux:

Mozilla Firefox 2.0 or later

Gigabyte Content Management System Console Overview



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**



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 Content Management System Console

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

Properties

Properties displays the firmware version of current remote client system.

The screenshot shows the Gigabyte Content Management System console interface. The top navigation bar includes 'Support', 'Help', 'About', and 'Logout'. The main header displays the 'GIGABYTE' logo and a welcome message for 'root (Administrator)' on 'Wed Oct 12 2011 16:08:05'. A left sidebar contains a tree view of system settings, with 'Properties' selected. The main content area is titled 'Properties' and features a 'Refresh' button. Below this, the 'Firmware Information' section displays a table with the following data:

Product Name	Gigabyte Management System
Product Information	Gigabyte Content Management System Version 1.0
Firmware Version	1.04
Building Time	Fri Sep 2 18:33:47 CST 2011
ASIC Type	ast2150

Configuration Network

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

Dedicate Mode

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

Shared Mode

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

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.

Gigabyte Content Management System Support Help About Logout

GIGABYTE™ Welcome root (Administrator) !
Wed Oct 12 2011 16:09:47

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

General Settings

ⓘ Changes to the mode settings may change IP address settings. This may cause a brief loss in connectivity. Changes may not take effect immediately, and require a refresh.

Mode	1
Host Name	GIGABYTE Management Module
DNS Domain Name	AvctDomain

Network Interface Configuration

Name	iF Enabled	IPv4 Enabled	IPv4 Address
ncsi0	Enabled	Enabled	10.1.111.12

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 Gigabyte Content Management System interface. The top navigation bar includes 'Gigabyte Content Management System', 'Support', 'Help', 'About', and 'Logout'. The user is logged in as 'root (Administrator)' on 'Wed Oct 12 2011 16:10:46'. The left sidebar contains a tree view of system settings, with 'Network Security' selected under the 'Configuration' section. The main content area is titled 'Network Security' and contains a table for configuring settings. A blue 'Apply Changes' button is located in the top right corner of the main area.

Network Security		
Use this page to configure the network security settings.		
IP Blocking Enabled	<input type="checkbox"/>	
IP Blocking Fail Count	<input type="text" value="5"/>	
IP Blocking Fail Window	<input type="text" value="60"/>	Seconds
IP Blocking Penalty Time	<input type="text" value="300"/>	Seconds

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.

The screenshot shows the 'Users' configuration page in the Gigabyte Content Management System. The page has a blue header with the 'GIGABYTE' logo and the text 'Welcome root (Administrator)!' and 'Wed Oct 12 2011 16:12:59'. A navigation menu on the left lists various system settings, with 'Users' selected. The main content area is titled 'Users' and contains a checkbox for 'Password policy check enable' which is checked. Below this is a table with 7 columns: 'User ID', 'State', 'User Name', 'User Role', 'IPMI LAN Privilege', 'IPMI Serial Privilege', and 'Serial Over LAN'. The table lists 16 users, with User ID 1 being the only one in an 'Enabled' state. The rest are 'Disabled'. Buttons for 'Apply Changes' and 'Refresh' are located at the top right of the main content area.

Gigabyte Content Management System Support Help About Logout

GIGABYTE™ Welcome root (Administrator) !
Wed Oct 12 2011 16:12:59

- ▣ Gigabyte Content Management System
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 - Configuration

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**.

The screenshot shows the Gigabyte Content Management System interface. The top navigation bar includes 'Support', 'Help', 'About', and 'Logout'. The user is logged in as 'root (Administrator)' on 'Wed Oct 12 2011 16:13:59'. The left sidebar contains a tree view of system settings, with 'Services' selected. The main content area is titled 'Services' and features a 'Web Server' configuration table. The table has five rows: 'HTTP Port Number' (80), 'HTTPS Port Number' (443), 'Timeout' (1800 seconds), 'Max Sessions' (32), and 'Active Sessions' (1). An 'Apply Changes' button is located in the top right corner of the configuration area.

Web Server	
HTTP Port Number	80
HTTPS Port Number	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, including a checkbox for 'Enable IPMI Over LAN' and a text field for 'Encryption Key'. An 'Apply Changes' button is located in the top right corner of the configuration 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 within the Gigabyte Content Management System. The page header includes the system name and user information: 'Gigabyte Content Management System', 'Support Help About Logout', and 'Welcome root (Administrator)! Wed Oct 12 2011 17:32:18'. A navigation menu on the left lists various system settings, with 'Time Settings' selected. The main content area is titled 'Time Settings' and contains three buttons: 'Sync Time Now', 'Apply Changes', and 'Refresh'. Below these buttons, a message states: 'Use this page to configure the Network Time Protocol settings.' The 'Network Time Protocol' section includes a table of settings:

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

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.

Gigabyte Content Management System Support Help About Logout

GIGABYTE Welcome root (Administrator) !
Wed Oct 12 2011 16:16:12

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Sessions

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	root	10.1.111.37	Virtual KVM	
2	root	10.1.2.37	GUI	N/A

LDAP

LDAP screen allows download user list of LDAP server then create Gigabyte Content Management System 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.

Gigabyte Content Management System Support Help About Logout

GIGABYTE™ Welcome root (Administrator)!
Wed Oct 12 2011 16:17:10

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LDAP Configuration Page

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

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

Enable LDAP	<input type="checkbox"/>
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 SVR 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 using Browse.

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

The screenshot shows the Gigabyte Content Management System interface. The top navigation bar includes 'Support', 'Help', 'About', and 'Logout'. The main header displays the 'GIGABYTE' logo and the user status 'Welcome root (Administrator)!' along with the date and time 'Wed Oct 12 2011 16:18:08'. A left-hand sidebar contains a tree view of system settings, with 'Update' highlighted under the 'Server Information' section. The main content area is titled 'Firmware Update' and features an 'Upload' section. This section contains a warning icon and text: 'Select an image file and click upload. The upload process will terminate all other sessions including Remote Console. If "BMC" firmware type is selected, 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 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. An 'Upload' button is positioned to the right of the 'File Path' field.

Utilities

Utilities provides BMC reboot and Factory default restore functions.

1. To reboot system, click **Reboot**.
2. To restore factory default, click **Factory Default**.

The screenshot shows the Gigabyte Content Management System interface. At the top, there is a navigation bar with "Support Help About Logout" on the right and the "GIGABYTE" logo on the left. Below the logo is a sidebar menu with various system management options. The main content area is titled "Utilities" and contains two sections: "Reboot" and "Factory Default". Each section includes a descriptive text and a corresponding button.

Gigabyte Content Management System Support Help About Logout

GIGABYTE Welcome root (Administrator) !
Wed Oct 12 2011 16:18:47

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Utilities

Reboot

Click 'Reboot' button to reboot the BMC.

Factory Default

Click 'Factory Default' button to reset BMC to default.

Server Information

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 Content Management System interface. At the top, there is a navigation bar with "Gigabyte Content Management System" on the left and "Support Help About Logout" on the right. Below this is a blue header with the "GIGABYTE" logo on the left and "Welcome root (Administrator) !
Wed Oct 12 2011 16:19:31" on the right. A left sidebar contains a tree view of system settings, with "Power Control" selected under "Server Information". The main content area is titled "Power Control" and contains a blue "Apply Changes" button. Below the button is a text instruction: "Here, you can view your server's power status. To perform a power control operation, select the operation you wish to perform and click Apply Changes." There are two sections: "Power Status" showing "ON" and "Power Control Operations" with four radio button options: "Power On System", "Power Off System", "Power Cycle System", and "Hard Reset (Restart)".

Gigabyte Content Management System Support Help About Logout

GIGABYTE™ Welcome root (Administrator) !
Wed Oct 12 2011 16:19:31

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Power Control

[Apply Changes](#)

Here, you can view your server's power status. To perform a power control operation, select the operation you wish to perform and click Apply Changes.

Power Status
ON




Power Control Operations

- Power On System
- Power Off System
- Power Cycle System
- Hard Reset (Restart)

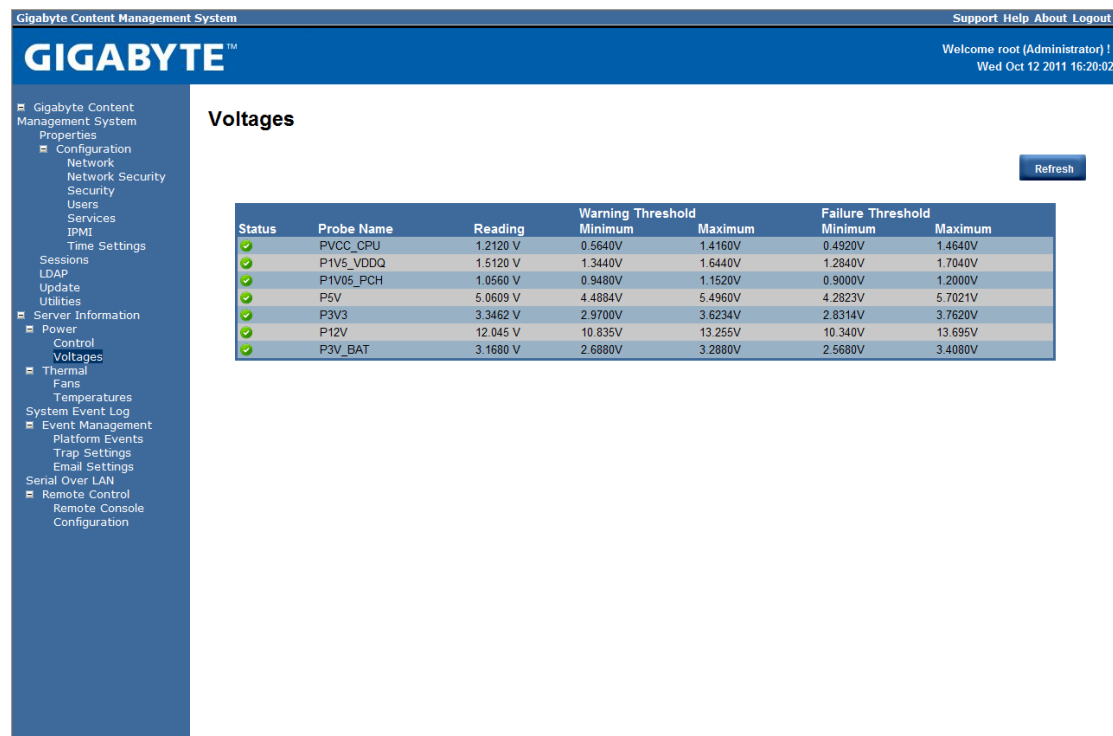
Voltages

This screen displays the status of system power consumption.

Each sensor displays different color to indicate the health status of a specified device.

	The green color indicates the device is healthy and there's no sensor that has any alert.
	The yellow color indicates the device has at least one sensor that has warning alert.
	The red color indicates the device has at least one sensor that has a critical alert.

Click **Refresh** to update current system voltages.






The screenshot shows the 'Voltages' section of the Gigabyte Content Management System. The page header includes 'GIGABYTE' and 'Support Help About Logout'. The user is logged in as 'root (Administrator)!' on 'Wed Oct 12 2011 16:20:02'. A navigation menu on the left lists various system settings. The main content area displays a table of voltage sensors, all of which are in a 'healthy' (green) status. A 'Refresh' button is located in the top right corner of the table area.

Status	Probe Name	Reading	Warning Threshold		Failure Threshold	
			Minimum	Maximum	Minimum	Maximum
✓	PVCC_CPU	1.2120 V	0.5640V	1.4160V	0.4920V	1.4640V
✓	P1V5_VDDQ	1.5120 V	1.3440V	1.6440V	1.2840V	1.7040V
✓	P1V05_PCH	1.0560 V	0.9480V	1.1520V	0.9000V	1.2000V
✓	P5V	5.0609 V	4.4884V	5.4960V	4.2823V	5.7021V
✓	P3V3	3.3462 V	2.9700V	3.6234V	2.8314V	3.7620V
✓	P12V	12.045 V	10.835V	13.255V	10.340V	13.695V
✓	P3V_BAT	3.1680 V	2.6880V	3.2880V	2.5680V	3.4080V

Thermal

This screen displays the Fans and Temperatures sensors of a remote host system.

Click **Refresh** to update current health status for both Fans and Temperatures.

	The green color indicates the device is healthy and there's no sensor that has any alert.
	The yellow color indicates the device has at least one sensor that has a warning alert.
	The red color indicates the device has at least one sensor that has a critical alert.

Fans

Gigabyte Content Management System Support Help About Logout





GIGABYTE Welcome root (Administrator) !
Wed Oct 12 2011 16:20:45

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[Refresh](#)

Fans

Probe List

Status	Probe Name	Reading	Warning Threshold		Failure Threshold	
			Minimum	Maximum	Minimum	Maximum
	CPU FAN	0 RPM	400RPM	N/A	300RPM	N/A
	SYS FAN1	3100 RPM	400RPM	N/A	300RPM	N/A
	SYS FAN2	0 RPM	400RPM	N/A	300RPM	N/A
	SYS FAN3	0 RPM	400RPM	N/A	300RPM	N/A

Temperature

Gigabyte Content Management System Support Help About Logout

GIGABYTE™ Welcome root (Administrator) !
Wed Oct 12 2011 16:21:13

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 - Temperatures**
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Temperatures

Refresh

Status	Probe Name	Reading	Warning Threshold		Failure Threshold	
			Minimum	Maximum	Minimum	Maximum
✔	SYS Temp1	32 C	N/A	57C	N/A	62C
✔	SYS Temp2	37 C	N/A	60C	N/A	65C
✔	CPU Temp	66 C	N/A	93C	N/A	95C

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.

Gigabyte Content Management System Support Help About Logout

GIGABYTE Welcome root (Administrator) !
Wed Oct 12 2011 16:25:44

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System Event Log

[Clear Log](#) [Refresh](#)

Severity	Date/Time	Description
✔	2011-10-04 15:16:04	System Software event: System Event sensor, Timestamp Clock Synch was asserted
!	2011-10-04 15:16:04	CPU FAN: Fan sensor, warning event was asserted, reading value : 0RPM (Threshold : 400RPM)
✖	2011-10-04 15:16:04	CPU FAN: Fan sensor, failure event was asserted, reading value : 0RPM (Threshold : 300RPM)
!	2011-10-04 15:16:09	SYS FAN3: Fan sensor, warning event was asserted, reading value : 0RPM (Threshold : 400RPM)
✖	2011-10-04 15:16:09	SYS FAN3: Fan sensor, failure event was asserted, reading value : 0RPM (Threshold : 300RPM)
✔	2011-10-04 15:16:09	Sys Pwr Monitor: Power Unit sensor, Power On / Power Up was asserted
✔	2011-10-04 15:16:15	Sys Pwr Monitor: Power Unit sensor, Power Reset was asserted
✔	2011-10-06 13:36:53	Sys Pwr Monitor: Power Unit sensor, Power Off / Power Down was asserted
!	[System Boot]	CPU FAN: Fan sensor, warning event was asserted, reading value : 0RPM (Threshold : 400RPM)
✖	[System Boot]	CPU FAN: Fan sensor, failure event was asserted, reading value : 0RPM (Threshold : 300RPM)
!	[System Boot]	SYS FAN3: Fan sensor, warning event was asserted, reading value : 0RPM (Threshold : 400RPM)
✖	[System Boot]	SYS FAN3: Fan sensor, failure event was asserted, reading value : 0RPM (Threshold : 300RPM)
✔	2011-10-06 15:23:40	System Software event: System Event sensor, Timestamp Clock Synch was asserted
!	2011-10-06 15:23:42	CPU FAN: Fan sensor, warning event was asserted, reading value : 0RPM (Threshold : 400RPM)
✖	2011-10-06 15:23:42	CPU FAN: Fan sensor, failure event was asserted, reading value : 0RPM (Threshold : 300RPM)
!	2011-10-06 15:23:50	SYS FAN3: Fan sensor, warning event was asserted, reading value : 0RPM (Threshold : 400RPM)
✖	2011-10-06 15:23:50	SYS FAN3: Fan sensor, failure event was asserted, reading value : 0RPM (Threshold : 300RPM)
✔	2011-10-06 15:24:21	System Software event: OS Boot sensor, boot completed - boot device not specific was asserted
✔	2011-10-06 15:24:33	Sys Pwr Monitor: Power Unit sensor, Power Reset was asserted

11

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 Content Management System interface. The header includes the Gigabyte logo, the text 'Gigabyte Content Management System', and user information: 'Support Help About Logout', 'Welcome root (Administrator)!', and 'Wed Oct 12 2011 16:26:51'. The left navigation menu lists various system settings categories. The main content area is titled 'Platform Events' and contains a section for 'Platform Event Filters (PEF) List'. Below this section is a checkbox for 'Global Alerting Enable' and a note: 'Note: (This enables/disables both PET and email alerts)'. A table lists various filter types with columns for 'None', 'Reboot', 'Power Cycle', 'Power Off', and 'Generate PET'. The 'Generate PET' column contains checkboxes for each filter.

Filter Name	None	Reboot	Power Cycle	Power Off	Generate PET
Threshold Type, Fan Critical Assert Filter	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Threshold Type, Fan Warning Assert Filter	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Threshold Type, Voltage Critical Assert Filter	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Threshold Type, Voltage Warning Assert Filter	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Threshold Type, Temperature Critical Assert Filter	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Threshold Type, Temperature Warning Assert Filter	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Sensor-specific Type, Power Unit Critical Assert Filter	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Sensor-specific Type, Processor Critical Assert Filter	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Sensor-specific Type, Memory Critical Assert Filter	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" 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**.

Gigabyte Content Management System Support Help About Logout

GIGABYTE™ Welcome root (Administrator) !
Wed Oct 12 2011 16:27:37

- ▣ Gigabyte Content Management System
 - Properties
 - ▣ Configuration
 - Network
 - Network Security
 - Security
 - Users
 - Services
 - IPMI
 - Time Settings
 - Sessions
 - LDAP
 - Update
 - Utilities
 - ▣ Server Information
 - ▣ Power
 - Control
 - Voltages
 - ▣ Thermal
 - Fans
 - Temperatures
 - System Event Log
 - ▣ Event Management
 - Platform Events
 - Trap Settings
 - Email Settings
 - Serial Over LAN
 - ▣ Remote Control
 - Remote Console
 - Configuration

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 Content Management System. The page has a blue header with the Gigabyte logo and user information: 'Welcome root (Administrator)!' and 'Wed Oct 12 2011 16:28:57'. A navigation menu on the left lists various system settings. The main content area is titled 'Email Settings' and includes an 'Apply Changes' button. It is divided into three sections: 'Destination Email Addresses', 'SMTP (email) Server Address', and 'SMTP Authentication'.

	Enable	Destination Email Address	Email Description	Test
Email Alert 1	<input type="checkbox"/>	<input type="text"/>	Remote Managemen	<input type="button" value="Send Alert 1"/>
Email Alert 2	<input type="checkbox"/>	<input type="text"/>	Remote Managemen	<input type="button" value="Send Alert 2"/>
Email Alert 3	<input type="checkbox"/>	<input type="text"/>	Remote Managemen	<input type="button" value="Send Alert 3"/>
Email Alert 4	<input type="checkbox"/>	<input type="text"/>	Remote Managemen	<input type="button" value="Send Alert 4"/>

SMTP (email) Server Address

SMTP IP Address

SMTP Authentication

Enable Anonymous account will be used when authentication is disabled.

Username

Password

STARTTLS Mode

SASL Mode

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 Gigabyte Content Management System interface. The top navigation bar includes "Support", "Help", "About", and "Logout". The user is logged in as "root (Administrator)" on "Wed Oct 12 2011 16:29:45". The left sidebar contains a tree view of system settings, with "Serial Over LAN" selected under "Remote Control". The main content area is titled "Serial Over LAN" and contains the following configuration options:

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

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

Remote Console Console Redirection

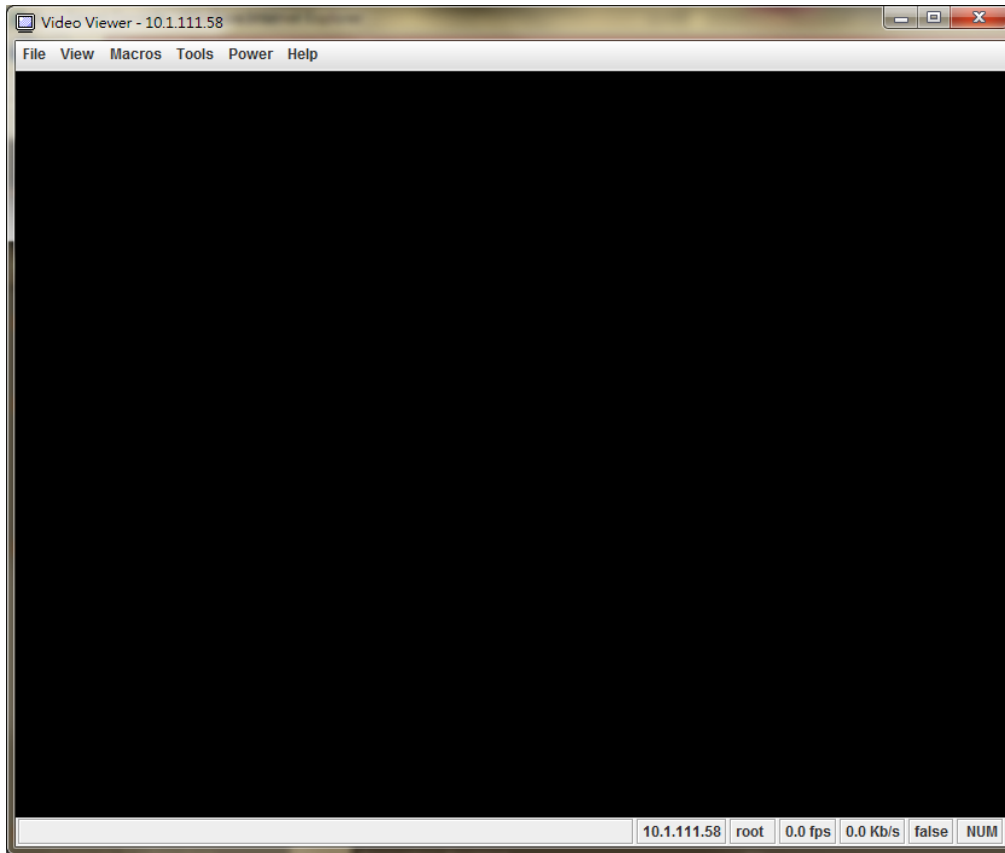
This screen allows you to start a Remote Console session with the host system.

The screenshot shows the Gigabyte Content Management System interface. The top navigation bar includes 'Support', 'Help', 'About', and 'Logout'. The user is logged in as 'root (Administrator)' on 'Wed Oct 12 2011 16:30:58'. The left sidebar contains a tree view of system settings, with 'Remote Console Configuration' selected. The main content area is titled 'Virtual Remote Console and Media Launch' and features two buttons: 'Launch Java KVM Client' and 'Launch Java VM Client'. Below the buttons is a note: 'Use above buttons to launch client KVM and VM. ActiveX launch is only available within Internet Explorer. All other browsers will only support launching of the Java KVM/VM clients.' Two configuration tables are displayed: 'Virtual KVM Configuration' and 'Virtual Media Configuration'.

Virtual KVM Configuration	
Enabled	Yes
Max Sessions	6
Active Sessions	1
Remote Port	2068
Video Encryption Enabled	Yes
Preferred Client Type	Java

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

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



Console Redirection 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 Content Management System interface. At the top, the header includes "Gigabyte Content Management System" on the left, "Support Help About Logout" on the right, and a user status bar showing "Welcome root (Administrator) !" and "Wed Oct 12 2011 16:31:41". The main content area is titled "Virtual Remote Console and Media Configuration" and features an "Apply Changes" button. Below the title, a note states: "Use this page to configure Virtual KVM and Virtual Media." The configuration is divided into two sections: "Virtual KVM Configuration" and "Virtual Media Configuration".

Virtual KVM Configuration	
Enabled	<input checked="" type="checkbox"/>
Max Sessions	6
Remote Port	2068
Video Encryption Enabled	<input checked="" type="checkbox"/>
Preferred Client Type	Java

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

The left sidebar contains a navigation menu with the following items: Gigabyte Content Management System, Properties, Configuration (Network, Network Security, Security, Users, Services, IPMI, Time Settings), Sessions, LDAP, Update, Utilities, Server Information (Power, Control, Voltages, Thermal, Fans, Temperatures, System Event Log), Event Management (Platform Events, Trap Settings, Email Settings), Serial Over LAN, and Remote Control (Remote Console Configuration).

