

FlowMagic-3240 Hardware Owner's Manual And Getting Started Guide

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Welcome to FlowMagic-3240 Hardware Owner's Manual and Getting Started Guide.

In this Hardware Owner's Manual and Getting Started Guide, you will find comprehensive information about how to verify received package, how to setup and operate FlowMagic-3240 appliance. A fully functional FlowMagic-3240 appliance will be ready to use after the instructions in this guide are completed.

This guide contains the following 7 easy to follow chapters:

- Chapter 1 Check the Items in FlowMagic-3240 Appliance Package
- Chapter 2 Install the FlowMagic-3240 Appliance
- Chapter 3 Installation of Latest Version of Browser
- Chapter 4 Power on and Power off FlowMagic-3240 Appliance
- Chapter 5 Use Command Line Interface to Setup Management Parameters
- Chapter 6 Stress Test FlowMagic Chassis CPU and Memory
- Chapter 7 Overview of FlowMagic-3240 Web User Interface

Should you have any question, suggestion or feature request, please do not hesitate to contact Infinicore support team at Email: support@infinicoreinc.com. We are more than happy to assist you.



Chapter 1 Check the Items in FlowMagic-3240 Package

Before we start installation, it is necessary to check the received contents and make sure they are complete and free of damage. Each FlowMagic-3240 package is shipped with the following 5 or 6 items at the minimum configuration. Please contact sup-port@infinicoreinc.com should you find any item missing.



Item Name	FlowMagic-3240 Appliance		
Count	1		



Item Name	Power Cord(s)
Count	2



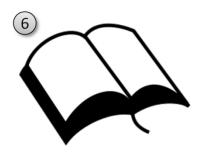
Item Name	Ethernet Cable		
Count	1		



Item Name	Rack Mounting Kit		
Count	1		



Item Name	Installation Disk	
Count	0 or 1	



Item Name	FlowMagic-3240 Hardware Owner's Manual and Getting Started Guide
Count	1

Note 1: The above icons are abstract view to the content. The actual look and feel may be different.

Note2: Based on the details of your order, there may be additional items included in the package, such as:

- System Recovery USB Thumb Drive
- Additional SFP modules and/or SFP+ modules
- Factory Tested Ethernet or Other Types of Cables
- Region Specific Certification if Necessary
- Additional Modules and Subsystems

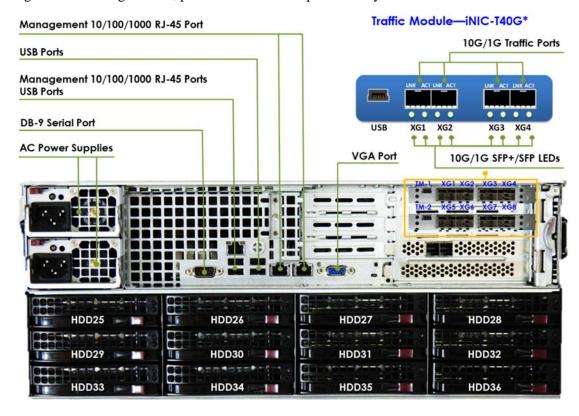
Chapter 2 Install the FlowMagic-3240 Appliance

This chapter provides a quick setup checklist to get your FlowMagic-3240 appliance up and running.

Before we install FlowMagic-3240 Appliance, it is beneficial to spend some time to get familiar with the various interfaces built into FlowMagic-3240 appliance hardware.

2.1 FlowMagic-3240 Rear Panel

A typical layout of FlowMagic-3240 rear panel is displayed in the below picture. Due to various selection of traffic modules and configurations, the names of the ports will be different depending on order configurations, please use the names presented by the web user interface.



Note 1: The availability of the number of Traffic Modules depends on the configuration. Please check the order configuration if you have any questions related to the number of Traffic Modules in the shipment. FlowMagic-3240 can be fully upgraded to up to the maximum of 4 full height/low profile traffic modules with various traffic ports. Additional components may be required to be upgraded to achieve optimal performance.

You will find the relative location of the following important interfaces (listed from left to right):

- COM1 Console Port ×1
- Ethernet Management Port/Dual USB Port ×1

- USB Port ×2
- Ethernet Management Port ×2
- VGA Port ×1
- iNIC Traffic Modules*
- * The available iNIC Traffic Modules are listed in the below table:

Part Number	Port Count	Port Specification		
iNIC-T2G/T4G/T6G-RJ45	2, 4 or 6	10Mb/100Mb/1Gb RJ45		
iNIC-T2G/T4G/T6G-SFP	2, 4 or 6 10Mb/100Mb/1Gb SFP Fiber			
iNIC-T20G/40G-RJ45	2 or 4	10Mb/100Mb/1Gb/10Gb RJ45 Copper		
iNIC-T20G/T40G-SFP	2 or 4	1Gb/10Gb SFP/SFP+ Fiber		
iNIC-T40G	4	1Gb/10Gb SFP/SFP+ Fiber 9.953Gb WAN SFP+ Fiber		
iNIC-T50G	2	1Gb/10Gb/25Gb SFP/SFP+/SFP28 Fiber		
iNIC-T80G	2	40Gb QSFP+ Fiber		
iNIC-T200G	2	40Gb/100Gb QSFP+/QSFP28 Fiber		

2.1.1 Traffic Modules and Ports Numbering

FlowMagic-3240 appliance traffic modules and ports numbering follow from top to bottom and left to right sequence. Below figure is an example for FlowMagic-3240 with iNIC-T40G traffic modules installed.



FlowMagic-3240 appliance can be installed with up to four traffic modules depending on the ordering configuration. Ports are numbered from the top to bottom and from the left to right by default as shown in the below table.

Traffic Module	Traffic Port No.					
iNIC-T2G-RJ45	GE1	GE2				
iNIC-T2G-SFP	GE1	GE2				
iNIC-T4G-RJ45	GE1	GE2	GE3	GE4		
iNIC-T4G-SFP	GE1	GE2	GE3	GE4		
iNIC-T6G-RJ45	GE1	GE2	GE3	GE4	GE5	GE6
iNIC-T6G-SFP	GE1	GE2	GE3	GE4	GE5	GE6
iNIC-T20G-RJ45	XG1	XG2				
iNIC-T20G-SFP	XG1	XG2				
iNIC-T40G-RJ45	XG1	XG2	XG3	XG4		
iNIC-T40G-SFP	XG1	XG2	XG3	XG4		
iNIC-T40G	XG1	XG2	XG3	XG4		
iNIC-T50G	XXVG1	XXVG2				
iNIC-T80G	XLG1	XLG2				
iNIC-T200G	CG1	CG2				

2.1.2 Traffic Module LEDs

The following figure and table describe the traffic ports LEDs status on the FlowMagic-3240 appliance rear panel with various traffic modules that can be used with FlowMagic-3240.

2.1.2.1 iNIC-T2G/T4G/6G-RJ45 Traffic Module LEDs

The following figure and table describe the LEDs status of the iNIC-T2G/T4G/6G-RJ45 traffic modules on FlowMagic-400 appliance rear panel.

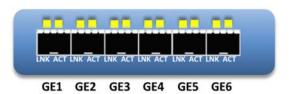


GE1 GE2 GE3 GE4 GE5 GE6

LEDs Description-Two LEDs Per Port		
	YELLOW: 1Gbps link	
LINK LED	GREEN:	100Mbps link
	OFF:	10M link or No link
ACTIED	BLINKING:	Data activity
ACT LED	OFF:	No data activity

2.1.2.2 iNIC-T2G/T4G/6G-SFP Traffic Module LEDs

The following figure and table describe the LEDs status of the iNIC-T2G/T4G/6G-SFP traffic modules.



LEDs Description-Two LEDs Per Port		
	YELLOW:	1Gbps link
LINK LED	INK LED GREEN: OFF:	100Mbps link
		10M link or No link
ACT LED	BLINKING:	Data activity
ACI LED	OFF:	No data activity

2.1.2.3 iNIC-T20G-RJ45 Traffic Module LEDs

The following figure and table describe the LEDs status of the iNIC-T20G-RJ45 traffic modules.



LEDs Description-Two LEDs Per Port				
GREEN: 10Gbps link		ps link		
LINK LED	YELLOW:	1Gbb	ps link	
	OFF:	No li	nk	
ACT LED GREEN BLINE		KING:	Data activity	
ACI LED	GREEN:		No data activity	

2.1.2.4 iNIC-T20G-SFP Traffic Module LEDs

The following figure and table describe the LEDs status of the iNIC-T20G-SFP traffic modules.



LEDs Description-Two LEDs Per Port			
	GREEN: 10Gbps link		ps link
LINK LED	YELLOW:	V: 1Gbbps link	
	OFF:	No lir	nk
ACT LED GREEN BL		IKING:	Data activity
ACT LED	GREEN:		No data activity

2.1.2.5 iNIC-T40G-RJ45 Traffic Module LEDs

The following figure and table describe the LEDs status of the iNIC-T40G-RJ45 traffic modules.

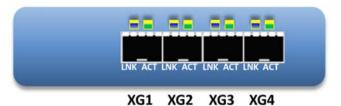


XG1 XG2 XG3 XG4

LEDs Description-Two LEDs Per Port				
	GREEN: 10Gbps link			
LINK LED	YELLOW:	1Gbbp	os link	
	OFF:	No lin	ık	
ACT LED	GREEN BLI	NKING:	Data activity	
ACI LED	GREEN:		No data activity	

2.1.2.6 iNIC-T40G-SFP Traffic Module LEDs

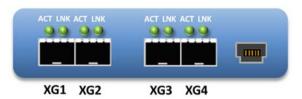
The following figure and table describe the LEDs status of the iNIC-T40G-SFP traffic modules.



LEDs Description-Two LEDs Per Port				
LINK LED	BLUE: YELLOW: OFF:	10Gbps 1Gbbp No lin	os link	
ACT LED	GREEN BLINKING:		Data activity	
	GREEN:		No data activity	

2.1.2.7 iNIC-T40G Traffic Module LEDs

The following figure and table describe the LEDs status of the iNIC-T40G traffic modules.



LEDs Description-Two LEDs Per Port			
LINK LED	GREEN: 1/10Gbps link OFF: No link		
ACT LED	GREEN BLINKING: GREEN:		Data activity No data activity

2.1.2.8 iNIC-T50G Traffic Module LEDs

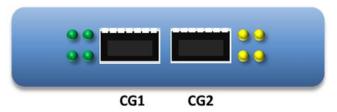
The following figure and table describe the LEDs status of the iNIC-T50G traffic modules.



LEDs Description-Two LEDs Per Port		
LINK LED GREEB: 25Gbbps BLUE: 10Gbps		
ACT LED	GREEN BLINKING: GREEN:	Data activity No data activity

2.1.2.9 iNIC-T200G Traffic Module LEDs

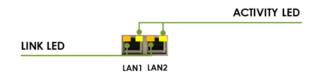
The following figure and table describe the LEDs status of the iNIC-T200G traffic modules.



LEDs Description-Four LEDs Per Port		
LINK/ACT LED for 100/25/10Gbps LED LINK: ON ACT: BLINK	YELLOW: ORANGE: BLUE:	100Gbps 25Gbbps 10Gbps
LINK/ACT LED for 40/25/10Gbps LED LINK: ON ACT: BLINK	YELLOW: ORANGE: BLUE:	40Gbps 25Gbbps 10Gbps

2.1.3 Management LAN (RJ-45) LEDs

The following figure and table describe the Management 10M/100M/1G RJ-45 LEDs status on FlowMagic-3240 appliance rear panel.



LAN LEDs Description			
ACTIVITY LED YELLOW BLINKING: Data Activity OFF: No Activities			
LINK LED	AMBER: OFF:	1Gbps co No Conne	nnection ection, 10 or 100Mbps connection

2.1.4 IPMI-Dedicated LAN (RJ-45) LEDs

The following figure and table describe the IPMI-dedicated LAN RJ-45 LEDs status on FlowMagic-3240 appliance rear panel.



IPMI LAN LEDs Description		
ACTIVITY LED	AMBER BLI OFF:	NKING: Data Activity No Activities
LINK LED	AMBER: GREEN: OFF:	1Gbps Connection 100Mbps Connection 10Mbps or No Connection

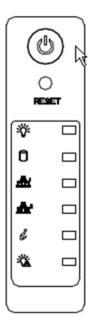
2.2 FlowMagic-3240 Front Panel

Figure below displays the layout of FlowMagic-3240 front panel.



Control Button and System Status LEDs

There are several LEDs on the control panel as well as others on the drive carriers to keep you being constantly informed of the overall status of the system as well as the activity and health of specific components. There are also two buttons on the chassis control panel, as shown in the figure below. This following session explains the meanings of all LED indicators and the appropriate response you may need to take.



2.2.1 Control Panel Buttons

There are two push-buttons located on the front of the chassis: a power on/off button and a reset button.

Buttons		Operations
	POWER ON/OFF	Use the power button to apply or remove power from the power supply. Turning off appliance with this button removes the main power but keeps standby power supply to the appliance.
RESET	RESET	Use the reset button to reboot the appliance

2.2.2. Control Panel LEDs

There are six LEDs on the control panel located on the control panel.

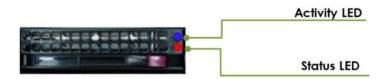
These LEDs provide critical information related to different parts of the system. This section explains what each LED indicates when illuminated and any action that may be required.

LEDs Meanings

	Power LED	ON: indicates power is being supplies the appliance's power supply units. This LED should normally be illuminated when the system is operating.		
	HDD LED	Blinking: indicates hard drive read/write activities OFF: No HDD activity		
2	Management LAN RJ-45 Port2 LED	ON: LAN Connection is present Blinking: indicates network activities on Management 10/100/1000 RJ-45 Port 2 OFF: No LAN connection		
	Management LAN RJ-45 Port1 LED	ON: LAN Connection is present Flashing: indicates network activities on Management 10/100/1000 RJ-45 Port 1 OFF: No LAN connection		
	Power Fail LED	ON: Indicates a power supply module has failed OFF: Normal		
Ô	Information LED	ON and RED: Overheat Flashing 1Hz: Indicates Fan Fail Flashing 1/4Hz: Indicates Redundant Power Supply Fail BLUE: Activated Local UID FLASHING BLUE: Remote UID is on		

2.2.3 HDD Status LED

There are total 36 Hard disk drive bays which support a total of 36 SAS/SATA drives to be installed into the chassis. Each drive carrier has its own LEDs, please see the following figure and table for LED status details.



SATA/SAS HDD LED Description				
	ON: Indicates a SAS Drive			
HDD Activity LED (Blue)	OFF: Indicates a SATA Drive			
HDD Receivity ELD (Blue)	Blinking: IO activity			
	RED ON: Drive Failure			
HDD Status LED (Red)	RED Blinking: RAID Activity			

2.3 Prerequisites

The following prerequisites are necessary before proceeding to Section 2.4.

- A PC, which required to have the following
 - o Ethernet connectivity to the FlowMagic-3240 Appliance
 - o Microsoft Windows XP or Microsoft Windows 7 or later
 - o The latest browser such as Chrome from Google, or Firefox from Mozilla and Safari from Apple Inc. if running on a MAC OS.
 - Optionally, a working serial port or a USB to serial port converter for debugging purpose
- 110-240V 50-60Hz Power Connector with 10-7Amps capacity

2.4 Steps to connect cables

Please use the following steps to connect FlowMagic to necessary interfaces on PC.

2.4.1 Ethernet based Management Port Connection

Use Ethernet cable Cat.5 or better to connect FlowMagic management port to a switch or PC. The management Ethernet cable is not provided in the packing list.

2.4.2 Optional: Console Port Connection

Use a Crossover (NULL-Modem) Console cable to connect FlowMagic console port to the PC's serial port. Fasten the screw on the DB-9 connector.

2.4.3 Optional: VGA Connection

Use a VGA cable to connect FlowMagic VGA port to monitor. Fasten the screw on the VGA connector.

2.4.4 Optional: Establish Connection between Traffic Ports

Depending on the traffic module(s) installed, please use suitable optics modules and fiber cables or DACs, or Ethernet cables to connect Traffic ports.

Tip: For most of the SFP/SFP+/SFP28/QSFP+/QSFP28 DAC cables, please note that to disconnect the cable, there is usually a lock need to be pushed or pulled to release the cable. Below is an example of one kind of DAC with a push handle lock, the handle is located beneath the DAC plug, and push the handle to release the cable, as shown in the following figure.



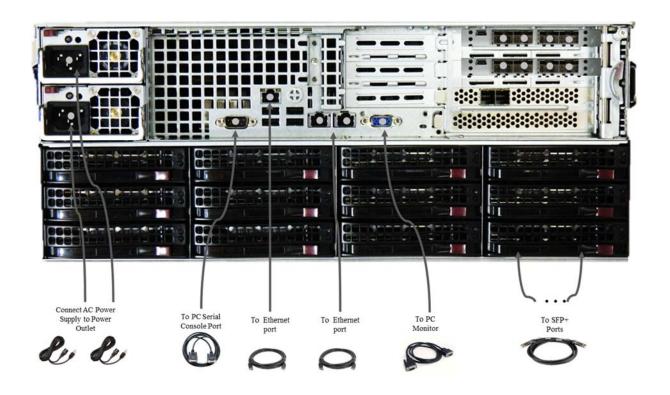
SFP+ DAC Cable Release Latch

2.4.5 Power Cord Connection

At last, use the power codes included in the package to connect FlowMagic-3240 appliance to the power source.

2.4.6 Connections

The following figure displays a view of FlowMagic-3240 Appliance with all previous mentioned connections in place.



Chapter 3 Installation of Latest Version of Browser

This chapter will provide step by step guidance to install a modern browser to a PC used in previous chapter. You may skip this entire chapter if you have one of the following browser installed already.

- Mozilla Firefox
- Google Chrome
- Microsoft Internet Explorer 9 or after
- Apple Safari

3.1 Prerequisites

3.1.1 Download web browser

Modern web browsers are often provided for free by many different vendors. The following browser products are recommended to use with FlowMagic-3240.

Microsoft Windows XP, Windows Vista, Windows 7 and Windows 8

Chrome from Google Inc.

https://www.google.com/intl/en/chrome/browser/

Firefox from Mozilla Foundation https://www.mozilla.org/en-US/firefox/new/

Microsoft Windows 8

Internet Explorer 9, 10 from Microsoft Inc.

Chrome from Google Inc.

https://www.google.com/intl/en/chrome/browser/

Firefox from Mozilla Foundation https://www.mozilla.org/en-US/firefox/new/

MAC OS

Safari from Apple Inc.

• Linux Distributions

Firefox from Mozilla Foundation https://www.mozilla.org/en-US/firefox/new/

3.1.2 The TeraTerm

Since Windows 7, Microsoft does not include HyperTerminal program into their operating system, which is often used to establish console access, we recommend you use a program called TeraTerm that can be found at the following link. You can skip this step if you have alternative application that provides console access.

http://hp.vector.co.jp/authors/VA002416/ttermp23.zip



Chapter 4 Power on and Power off the FlowMagic-3240 Appliance

This chapter describes the power on and power off process of FlowMagic-3240 Appliance.

4.1 Power-On Sequence

Before powering on the FlowMagic-3240 appliance, please be noted that FlowMagic-3240 appliance has a default IP address of "192.168.0.221/24". In order to prevent IP address confliction, when you are not sure, please leave the Ethernet cable unplugged to your network. Instead directly connect the appliance with a desktop or a laptop to change the IP address from GUI.

When ready, please press power on button to turn the appliance on.

It will take about 5 minutes or less before the appliance to be ready to use.

4.2 Power-Off Sequence

There are two ways to initiate power off sequence.

- The Power off sequence is entered when power button is pressed again when the appliance is on.
- When the chassis is not power off, press and HOLD the Power off button for 15 seconds or less will force the appliance to be powered off.

As the last resort, when the chassis still stays on, pull out the power cords when the above methods failed.

Chapter 5 Use Command Line Interface to Setup Management Parameters

After FlowMagic-3240 Appliance has been boot up, it is the time to setup the management parameters through the attached monitor/keyboard, network or serial port. The settings will take effect immediately after the configuration is changed.

Please note the FlowMagic-3240 Appliance allows user to attach a Monitor and Keyboard directly to configure the appliance. It is easier to use than the serial port.

Please note that when serial port is used to connect to PC, a cross-over NULL modem cable is needed for computer to establish connection to FlowMagic-3240.

The following table lists the necessary parameters that are required to be set.

Parameter	Meaning	Importance	Command
Management IP	Management IP address and netmask	Mandatory	config interface mgmt ip
Gateway	Gateway	Optional	Config interface mgmt gateway
Date	Date and Time	Optional	Config system date
Host name	Name of the appliance	Optional	Config system hostname
Description	Description about the appliance	Optional	Config system desc
Location	Location of the appliance	Optional	Config system location
Contact	Administrator Contact Information	Optional	Config system contact

The following sections will guide you through the setup.

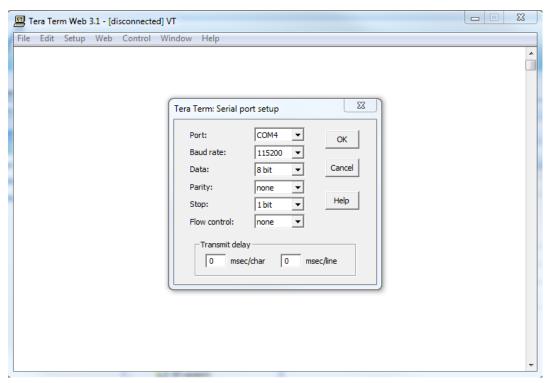
5.1 Set up serial port on PC

The console port of FlowMagic-3240 Appliance runs at the following settings.

Baud Rate: 115200
Data Bits: 8 bit
Stop Bits: 1 bit
Parity: No
Flow Control: No

The serial port setting used by your console application needs to match the setting above for successfully communication. The following is screen shots of the port setting using Tera Term and Microsoft HyperTerminal.

5.1.1 Tera Term Serial Port Setting Window



5.1.2 Hyper Terminal Port Setting Window

Configure Hyper Terminal similarly to the settings shown in the 5.1.1.

5.2 Login to Command line interface

Each FlowMagic Appliance comes with default administrator account WITHOUT password:

Username: admin

Password:

5.3 Navigation Keys used in Command Line Interface

The command line interface embedded in FlowMagic-3240 Appliance follows popular Cisco CLI style. One can get help information by pressing "?" key at any time.

FlowMagic# help keys

.. : Up one command level
Backspace: Delete one character before cursor
Enter : execute command
Ctrl+z : Back to the top level command
Ctrl+c : Discard current input line

FlowMagic#
FlowMagic# show running

Hardware Platform :
Serial Number : 04194951

InfiniOS Version : 1.0.3

Control Plane CPU : Intel(R) Xeon(TM) CPU @ 1.80GHz
Control Plane Version: x86-0.9.35
CP Memory Max/Free : 516472832/309981184
CP Core Temp : 30.0 (C)

Management IP Adress : 192.168.0.221
Netmask : 255.255.255.0

5.4 Configure the network parameters and system parameters

: 192.168.0.1

The following commands are used as an example to complete the setting of the following parameters:

• IP address: 192.168.0.155/255.255.255.0

Gateway: 192.168.0.1Hostname: QC01

Gateway

Location: QClab02-Rack1

• Administrator Contact: "x613 admin"

• Date: 2013-02-29 16:28:00

After the management IP address has been configured to the FlowMagic-3240 Appliance, the appliance is expected to be accessible through the network.

Chapter 6 Validation of FlowMagic Appliance Hardware

After the chassis is received from shipping, it is recommended to validate functionality of critical components before commissioning the appliance into production.

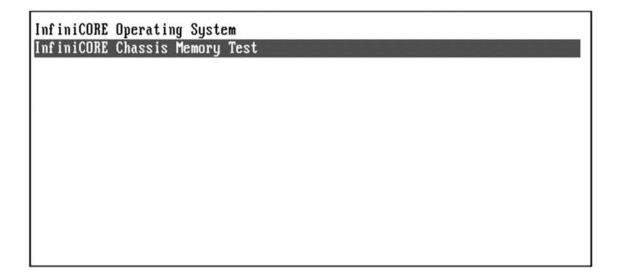
FlowMagic appliance is purposefully shipped with the following easy to use test cases.

- Validation of Processor and Memory Sub System
- Validation of Hard Disk Drives

6.1 Validation of Processor and Memory Sub System

FlowMagic-3240 is equipped with a CPU and memory stress test that can be triggered from the boot up menu. To do this test, please have the VGA monitor and keyboard connected.

After VGA and Keyboard is connected, power on the appliance.



Use the 1 and 1 keys to select which entry is highlighted. Press enter to boot the selected OS, 'e' to edit the commands before booting or 'c' for a command-line.

During the boot up pause, please choose the "InfiniCORE Chassis Memory Test" from the boot menu to invoke the memory test. Once the test starts, the following screen shot will be shown up.

```
Memtest86 v4.20
Pentium M (0.09) 1800 MHz
          32K 60001 MB/s | Test #0 [Address test, walking ones]
              25352 MB/s | Testing:
                                      28G - 30G
              17647 MB/s | Pattern:
                                      00000000
           48G 11043 MB/s I---
Chipset:
                                    Cache ECC Test Pass Errors ECC Errs
WallTime
          Cached RsudMem
                           MemMap
  0:00:03
            (c)configuration (SP)scroll_lock (CR)scroll_unlock
(ESC)Reboot
```

This test is designed to stress the CPU and memory system.

It is recommended to have the test run for 1 hour or longer to be confident that there is not any defect in the processor sub system and memory sub system.

Press ESC any time to stop the test and reboot.

6.2 Validation of Hard Drive Interface

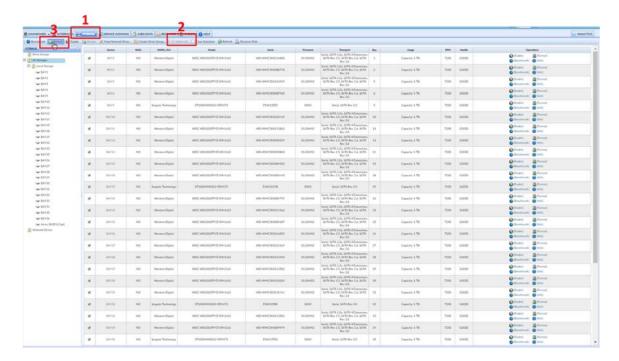
Hard Drive is a critical component to FlowMagic system. The FlowMagic System Software provides a benchmark utility that can be used to stress test hard drive interfaces and drives themselves.

Before we start to validate hard drives, please install the drives properly into the FlowMagic system and power up the FlowMagic.

6.2.1 Format the disk

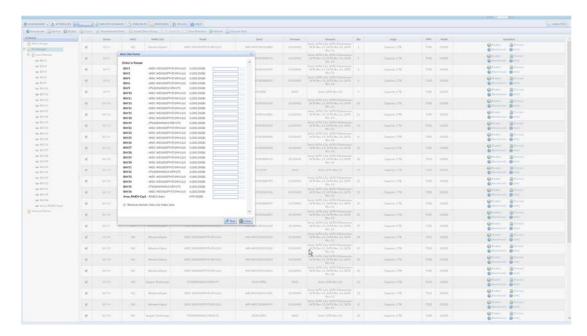
After system is boot up, navigate to "STORAGE" tab, verify the hard drives are properly detected and listed in the client area.

Choose "Check All" then click "Format"



Once "Format" is clicked, the format dialog will show up.

Click on "Start" to start format all drives.

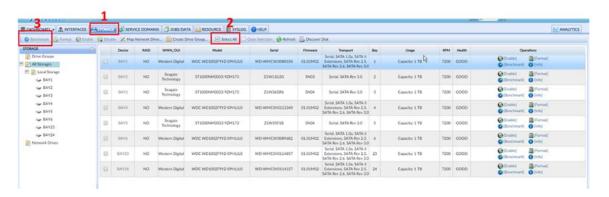


6.2.2 Benchmark and Validate Disk Drives

After disk drives are properly formatted. Please navigate to "STORAGE" TAB by clicking "STORAGE" as shown below.

Please click "Check All";

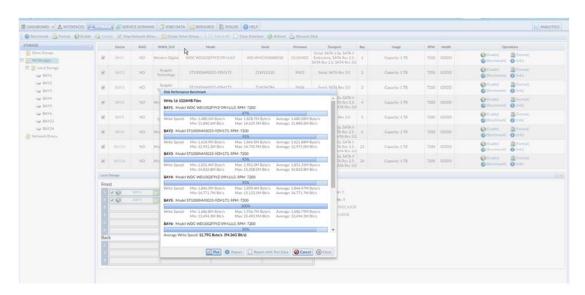
Please click "Benchmark".



After click "Benchmark", a dialog will pop up and display the settings for the benchmark.



Select desired file size and count. Please note that the total number of bytes should be smaller than the drive size.



Wait until the test is finished and free of error.

Chapter 7 Overview of FlowMagic-3240 Web User Interface

Once user configured the IP address and FlowMagic-3240 is accessible through network. User can access the FlowMagic-3240 WEB UI by pointing a browser to the IP address of FlowMagic-3240 Appliance. The Web User Interface uses the same administrator account as the command line interface, which is admin WITHOUT a password. Please see the following figure for log in window.

Username: admin

Password:

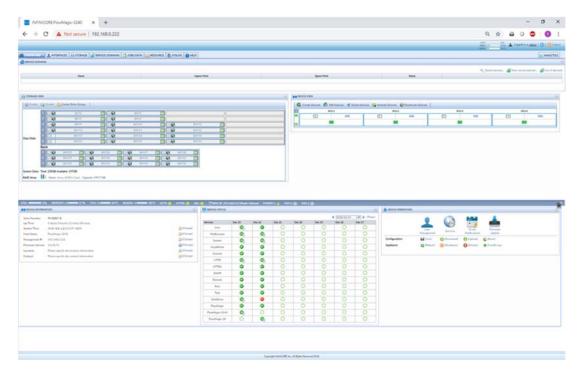


The Web user Interface is a recommended method to interact with FlowMagic appliance. In WebUI, users can perform all the operations such as the following on the device:

- The port management tasks such as allocation, reservation and state management
- Domain management tasks such as creation, deletion, enable, disable domains
- User management tasks such as creation, deletion and edition of users
- Device Information including serial number, firmware version, location and administrator's contact information
- Device operations including the ability to update device firmware, ability to save configuration and ability to reboot the appliance.

7.1 FlowMagic-3240 Web GUI Layout

It is beneficial for users to spend some time to get familiar with the layout of FlowMagic-3240 Web UI layout. Figure below displays a typical Web GUI layout.



The FlowMagic Web UI has the following eight tabbed views:

Dashboard

Dashboard provides bird's eye view to the device. It also provides a collection of the most frequently used operations without switching the tabs.

Interfaces

Interface tab allows operator to view port settings, admin status, link status, speed, data statistics, interface module types and associated attributes, and mange interface operations.

Storage

Storage tab allows operator to manage storage HDD settings. It also gives a complete view over all available HDDs models, serial, firmware, position, capacity, usage, speed information.

• Service Domains

Service Domains tab gives operator the ability to choose and mange different kind of traffic operation modes such as flow capture and archival, load balance, traffic replication, traffic aggregation with reverse switching, traffic aggregation and monitor.

Jobs/Data

Jobs/Data tab provides access to analytic results and scan results of data, exported PCAPs and filtered packet data sets.

• Resource

Resource is used to store common resources for operators' sharing and reference purpose, such as filters, IP black list, and pattern list, etc.

Syslog

Syslog gives the operator abilities to view, search and filter log events accumulated since appliance boots.

• Help

Help view allows operator to view online help documents about the operation of FlowMagic Appliance.

For an in-depth overview of the functionalities and typical operations of each tab, please refer to its web UI user manual.

Chapter 8 Recommended Reading Material

The following list provides further reading materials when users find the need to gain in-depth knowledge in specific area.

- UG-101 FlowMagic Firmware Update Guide
- UG-102 FlowMagic System Recovery Guide