



FlowMagic-3240


Next Generation Scale Out and Scale Up Traffic Visibility, Archiving and Data Mining Appliance

FlowMagic Product Family Overview

As networks, applications and services are converging to a single IP based infrastructure, network operators, data centers, service providers and enterprises are looking for ways to simplify and scale their operations. InfiniCORE's FlowMagic product family is the next generation, best in class, software defined unified network visibility and service intelligence platform that delivers unprecedented port density, performance and feature set for customers' mission critical applications.

FlowMagic-3240 has the best capture and storage performance in the product family. It delivers up to 80Gbps of line rate packet capture and 40Gbps storage capabilities with embedded cutting edge purposefully designed network processing modules. There are a wide range of available modules which provide seamless connectives to networks running at 10Mb/100Mb/1Gb RJ45, 100Mb/1Gb Fiber, 10Gb LAN, 9.953Gb WAN, 25Gb, 40Gb and 100Gb.

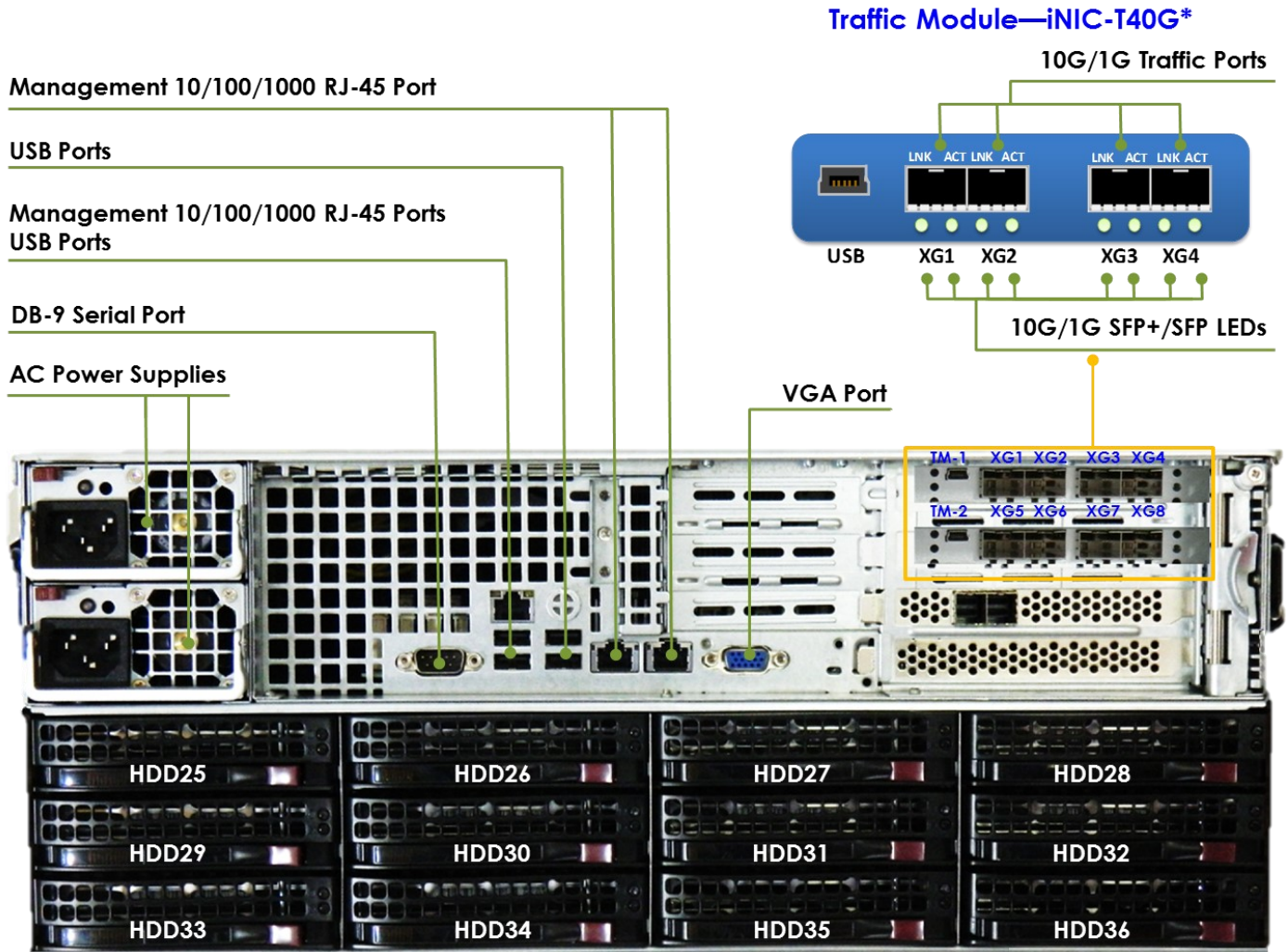
Main Features and Benefit Highlights

	Features	Benefits
A Variety of Traffic Modules with up to 1ns Time Stamp Support	Up to 7 traffic modules with a wide selection of port specifications, varies from RJ-45, SFP, SFP/SFP+, SFP/SFP+/SFP28, QSFP+ to QSFP+/QSFP28.	Enables customer to simultaneously monitor mission critical equipment and gaining instant traffic visibility into traffic and health condition of the networks.
High Performance, Powerful Software Defined Post Processing Features Over Captured Data	Capture filter, header split, content masking, timeline correlation, rich statistics, Top X analysis, Net Flow Record Generation, DDoS alert, compression and crypto based content protection and much more.	Ideal for large service provider and enterprise to gain real time view and act based on dependable and actionable accounting information.
Advanced Scale Out and Scale Up Storage Architecture Provides the Storage Needed for Vast Amount of Captured Data	Seamlessly support storage expansion from Terabytes to Petabytes with wide range of storage protocols and file systems support.	On demand capacity scaling that saves cost and protects investment. Standard based and field proven Ethernet and InfiniBand based storage technology.
Modular Architecture	Support up to 7 traffic modules ; Traffic modules mix and match according to demand.	Tailor the hardware configuration to support customer's initial needs and growing demand.
Browser Based User Interface for Anywhere Management Capability	Native HTML 5 based Web GUI that allows universal access to appliance anywhere from any standard based web browser.	Access the management interface from anywhere any device that is equipped with a modern browsers such as Chrome, Firefox, Safari and Internet Explorer. 
Low power Cost Effective and High Reliability and Availability	Leveraging latest generation processor technologies, FlowMagic is power efficient and equipped with redundant power supplies and hot serviceable fans.	<ul style="list-style-type: none"> • Reduce CAPEX and OPEX • High availability by design

FlowMagic-3240 External Interfaces Specification

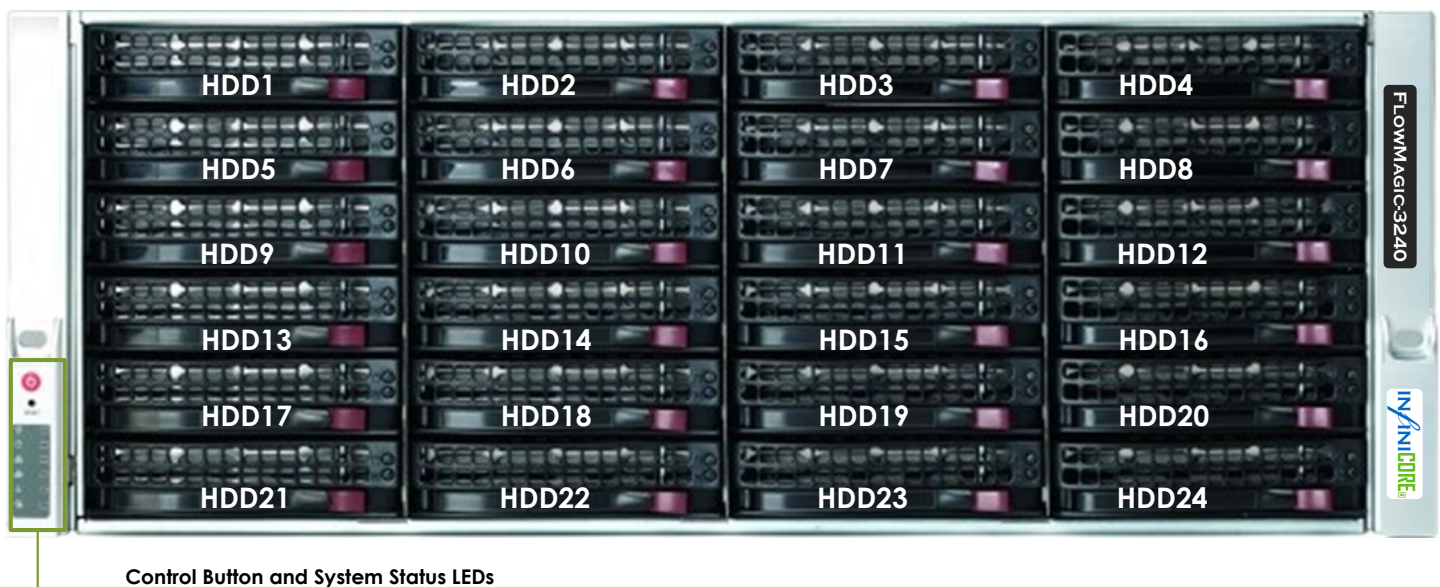
Function	Compliance	Type	Quantity
Variety of Traffic Ports from 10Mb/100Mb/1Gb RJ45, 100Mb/1G SFP, 10Gb LAN, 9.953 WAN, 25Gb SFP28, 40G QSFP+ to 100Gb QSFP28	IEEE 802.3ae 10 Gigabit Ethernet; IEEE 802.3aq 10GBASE-LRM; SFP+ MSA, Revision 4.1; Direct-Attach Copper Cable Support up to 3 Meters; OC-192/STM-64 10G WAN; 10/100/1G SFP with SGMII and Auto Negotiation Support; IEEE 802.3by 25 Gigabit Ethernet; SFF-8436, SFF-8635 QSFP+ 40Gb Ports; SFF-8665 QSFP28 100Gb Ports.	10G SFP+ Fiber Optics/ DACs; 1G SGMII Based SFP for Fiber Optics and RJ-45 Copper; 25G SFP28 Fiber Optics and DACs; 40G/100G QSFP+/ QSFP28 Fiber Optics and DACs.	Varies, depending on the selection of Traffic Modules
10/100/1000Mbps Management Port	10/100/1000BASE-T Category 5, Category 5e, Category 6 UTP	Copper RJ-45	2
10/100/1000Mbps Management Port with BMC Support	10/100/1000BASE-T Category 5, Category 5e, Category 6 UTP	Copper RJ-45	1
10GBase-T Management Port	IEEE 802.3 10GBase-T	Copper RJ-45	N/A
10GBase-SFP+ Management Port	IEEE 802.3 10GBase-SR	10G SFP+ Fiber Optics	N/A
Console Port	115200 Baud 8 Bit Data No Parity 1 Stop Bit	Serial	1
Rear Panel USB Port	USB 2.0 High Speed	USB 2.0	4
Front Panel USB Port	USB 2.0 High Speed	USB 2.0	N/A
VGA Port	VGA DB-15 Connector	DB-15	1
3.5" Local Hard Drive with RAID Support	SATA-II Hot Swappable Bays	3.5" Hard Drive	37 (36 available for data storage)
Mellanox ConnectX-3 40Gbps InfiniBand Port	InfiniBand 40Gbps QSFP Connectivity	QSFP 40Gbps Fiber Optics	N/A
Front Panel Accessible Power Button	Push Button	Push Button	1
Front Panel Accessible Reset Button	Reset Button	Reset Button	1
Front Panel Accessible Rear Locator Button	Turn on location LED on Rear	Push Button	1
Front Visible LED Panel	Power LED HDD Activity LED LAN Activity LEDs Information LED Power Failure LED	LEDs	6
Redundant Power Supply	1280W (80+) Platinum Power Supply 110-240V AC 50-60Hz Class I	1+1	2

FlowMagic-3240 Rear Panel Features



*: Please see page 5 for the availability of traffic modules with a wide selection of port specifications.

FlowMagic-3240 Front Panel Features



FlowMagic-3240 Foundation Package

Features and Packages	Description
InfiniOS 64Bit Operating System	The latest generation InfiniCORE 64 bit Operating System
HTML 5 Based Web Management User Interface	Operating system independent Web UI supports access from Google Chrome, Mozilla Firefox, Microsoft Internet Explorer 9,10 and Apple Safari.
Software Defined Data Plane Orchestrator	Manage up to seven modules with a wide selection of capture and traffic processing port specifications varies from RJ-45, SFP, SFP/SFP+, SFP/SFP+/SFP28, QSFP+ to QSFP+/QSFP28.
High Performance Traffic Capture Package	Highly optimized Line Rate Traffic Capture Package including capture filter, Time Stamping, capture size limiter, Header-Body Split, source port tagging etc.
Statistic Master Package	Collecting statistics from capture ports such as Receive Octets; Frames; Broadcast Frames; Unicast Frames; Multicast Frames; Frame Length Histogram; Total Error Frames; Short, Oversize, Jabber, FCS Error, Symbol Error Frames IP/UDP/TCP Checksum Error.
Storage Orchestrator	Store captured traffic into network attached storage system via NFS or standard network based file system; Automatic space recycling is supported.
Flex Capture Package	Support capture from one or more capture ports and either store the captured stream individually or merged into a single stream. Support capture filter; Support packet slicing.
Storage Performance Benchmark	A easy to use tool for benchmarking disk drive's performance individually or as a whole group; Support visualization of performance data.
Crystal View Packet Decoder Package	Provide instant traffic decoding and display from the Web interface; Multi-format display such as packet brief, packet details and hex format are supported.
Drill Master Traffic Export Package	Drill Master Traffic Export Package supports to extract full or subset of captured traffic into standard PCAP format; Traffic can be filtered before export; Traffic can be split into predefined file size.

FlowMagic-3240 Optional Package

Please contact InfiniCORE regional distributors/resellers or InfiniCORE sales for details regarding to optional packages.

Features and Packages	Description
Privacy Defender Package	Privacy Defender incorporates the latest traffic scanning technology to mask out privacy sensitive data; Data pattern can be expressed in predefined data format or simplified regular expression.
Store Compressor Package	Store Compressor package compresses the captured traffic using industry standard GZIP file format (RFC1952) before sending the captured data to storage.
Store Safe Package	Store Safe Package enables customer to encrypt captured traffic before sending to storage infrastructure; Store Safe is critical to improve the safety of captured data against physical intrusion or breach; Store Safe prevents capture data from becoming security hot spot and improves data safety to high standard.

FlowMagic-3240 Standard Peripherals

Part Name	Quantity
UTP Cat 6. Ethernet Cable	1
Rail Mounting Kit	1
CD (User Manual, software package)	0 or 1
USB System Recovery Thumb Drive	0 or 1

FlowMagic-3240 Physical and Environmental Specification

Item	Description
Dimension (Width x Depth x Height)	19 x 27.5 x 7 (inches) 483 x 700 x 178 (millimeters)
Net Weight (without Hard Drives)	68 (pounds)/ 31 (kilograms)
Environment	Operating Temperature: 0° ~ 40° C (32° ~ 104° F) Non Operating Temperature: -40° ~ 70° C (-40° ~ 158° F) Humidity: 20 ~ 90% (Non-condensing)

FlowMagic-3240 Order Information

Please contact InfiniCORE regional distributors/resellers or InfiniCORE sales for further information.

Part Number	Traffic Ports	Port Specification	Software Package
FlowMagic-3240-[]	Based on Configuration	Based on module selection	Foundation Package

FlowMagic-3240 Available Traffic Modules

Part Number	Capture and Traffic Processing Ports	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-RJ45	2	10Mb/100Mb/1Gb/10Gb RJ45 Copper
iNIC-T20G-SFP	2	1Gb/10Gb SFP/SFP+ Fiber
iNIC-T40G-SFP	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