



FlowMagic-204P


Next Generation Portable Network Data Capture, Archiving, Visibility and Analytics 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.

The FlowMagic-204P is a rugged portable solution optimized for field applications. The FlowMagic-204P supports up to three traffic modules with a variety of port specifications which provide seamless connectives to networks running at 10Mb/100Mb/1Gb RJ45, 100Mb/1Gb Fiber, 10Gb LAN, 9.953Gb WAN. The FlowMagic-204P supports up to 5Gbps write to disk performance with embedded analytics applications such as packet viewer, flow analysis and view, flexible packet filter and export capability.

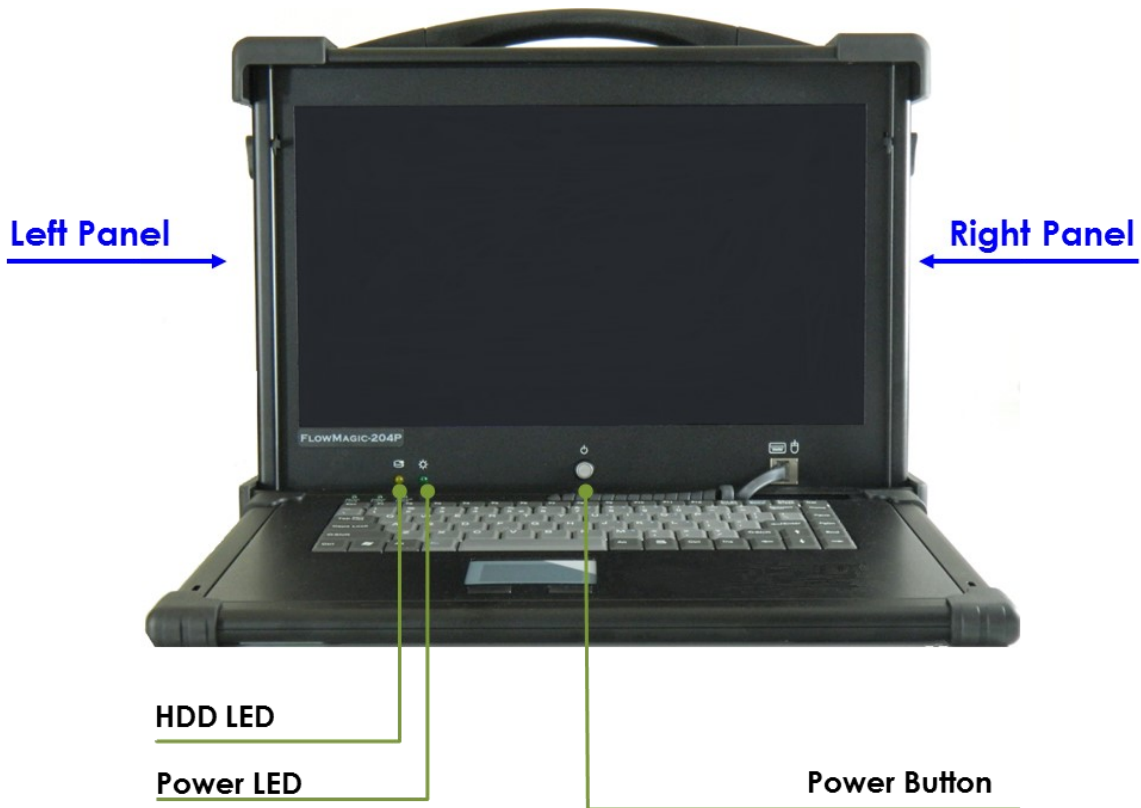
Main Features and Benefit Highlights

	Features	Benefits
A Variety of Traffic Modules with up to 1ns Time Stamp Support	Up to three traffic modules with a wide selection of port specifications, varies from RJ-45, SFP, SFP/SFP+.	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, multiple ports traffic merge, timeline correlation, rich statistics, end point analysis, flow extraction, data volume reduction and compression.	Ideal for large service provider and enterprise to gain real time view and act based on dependable and actionable accounting information.
Scale Up Storage Architecture Provides the Storage Needed for up to 5T Captured Data	Seamlessly support storage expansion up to 5 Terabytes 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.
Light Weight, Easy to Carry Around Portable Solution	Light weight and easy to carry around. Coming with the wheeled carrying case.	Tailored for field applications and working on-site.
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-204P is power efficient, cost effective and high reliability portable solution .	<ul style="list-style-type: none"> • Reduce CAPEX and OPEX • High Availability by Design

FlowMagic-204P External Interfaces Specification

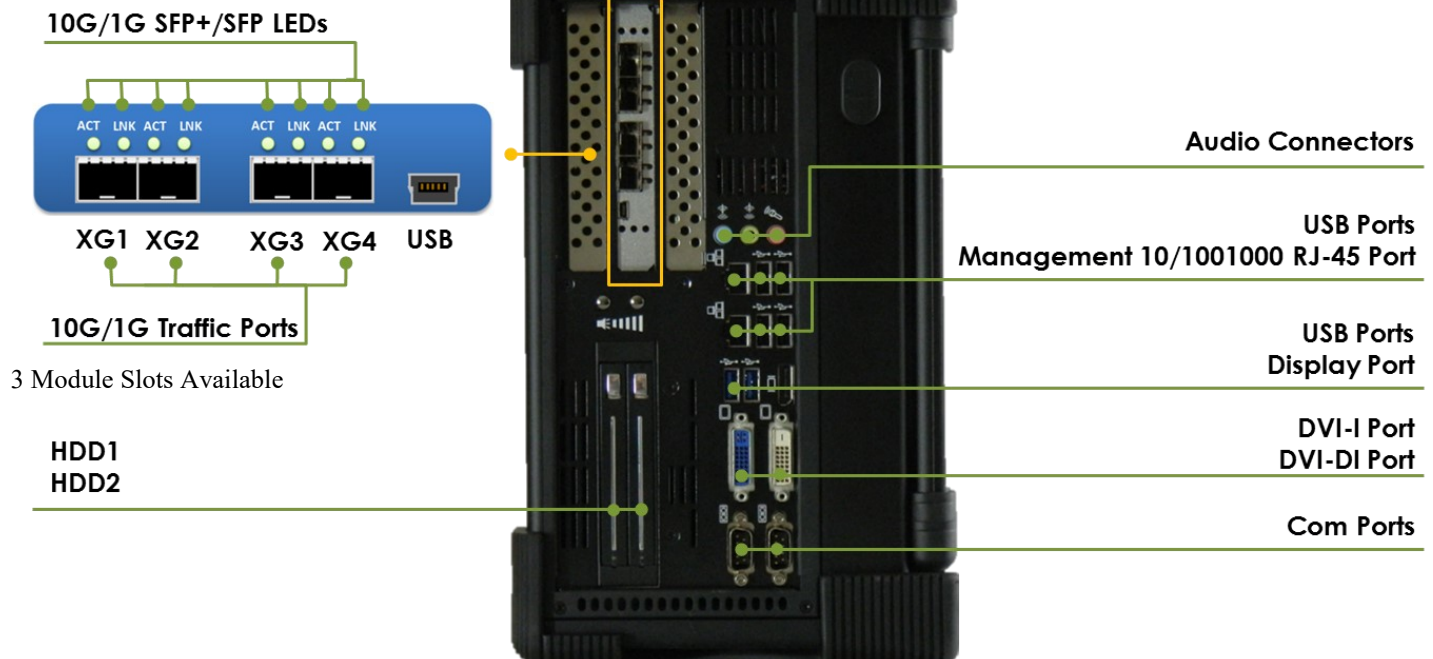
Function	Compliance	Type	Quantity
Variety of Traffic Ports from 10Mb/100Mb/1Gb RJ45, 100Mb/1G SFP, 10Gb LAN, 9.953 WAN,	IEEE 802.3ae 10 Gigabit Ethernet; IEEE 802.3aq 10GBASE-LRM; SFP+ MSA, Revision 4.1; Direct-Attach Copper Cable Support up to 3 Meters; OC-192/STM-64 10G WAN; 10/100/1G SFP with SGMII and Auto Negotiation Support;	10G SFP+ Fiber Optics/ DACs; 1G SGMII Based SFP for Fiber Optics and RJ-45 Copper;	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	N/A
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	2
USB Port	USB 2.0 High Speed	USB 2.0	4
USB Port	USB 3.0 High Speed	USB 3.0	2
DVI Port	DVI-D, DVI-I Connectors	DVI	2
2.5" Local Hard Drive	SATA-II Hot Swappable Drive Bays	2.5" Hard Drive	5 (5 available for data storage)
2.5" System Hard Drive	SATA-II Fixed Internal Hard Drive Bays	2.5" Hard Drive	1
Power Button	Push Button	Push Button	1
Reset Button	Reset Button	Reset Button	N/A
Front Panel Accessible Rear Locator Button	Turn on location LED on Rear	Push Button	N/A
Visible LED Panel	Power LED HDD Activity LEDs	LEDs	2
Power Supply	250W Power Supply 100-240VAC 50-60Hz, Auto Switch	1	1
Keyboard/Mouse	87-key industrial keyboard with touchpad	RJ-45	1

FlowMagic-204P Front Panel Features



FlowMagic-204P Left Panel Features

Traffic Module—iNIC-T40G*



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

FlowMagic-204P Right Panel Features



FlowMagic-204P 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 three modules with a wide selection of capture and traffic processing port specifications varies from RJ-45, SFP, SFP/SFP+.
High Performance Traffic Capture Package	Purposefully optimized network traffic capture package provides functions such as timestamp, filter, truncation, source port tagging, tunnel termination 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 local hard disk drives; Automatic space recycling is supported.
Storage Benchmark Package	Embedded storage benchmark tool to evaluate the performance of attached data drives under installed drive model (s).
Packet Decoder Crystal View 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 Analytic and 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-204P 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-204P Standard Peripherals

Part Name	Quantity
UTP Cat 6. Ethernet Cable	1
Power Cord	1
Carry Case with Wheels	1
CD (User Manual, software package)	0 or 1
USB System Recovery Thumb Drive	0 or 1

FlowMagic-204P Physical and Environmental Specification

Item	Description
Dimension (Width x Depth x Height)	16.2 x 7.2 x 12 (inches) 412 x 184 x 305 (millimeters)
Net Weight	22 (pounds) / 10 (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-204P Primary Order Information

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

Part Number	Traffic Ports	Port Specification	Software Package
FlowMagic-204P	Based on Configuration	Based on module selection	Foundation Package

FlowMagic-204P 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