



# FlowMagic-204P-17


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-17 is a rugged portable solution optimized for field applications. The FlowMagic-204P-17 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, 25Gb, 40Gb and 100Gb. The FlowMagic-204P-17 supports up to 5Gbps write to disk performance with embedded analytics applications.

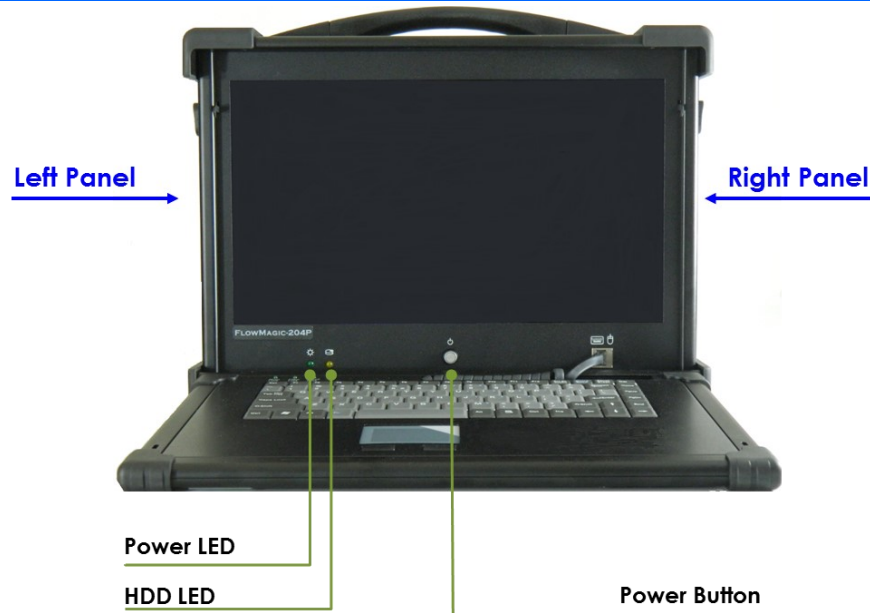
## Main Features and Benefit Highlights

	Features	Benefits
<b>A Variety of Traffic Modules with up to 1ns Time Stamp Support</b>	Up to three 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.
<b>High Performance, Powerful Software Defined Post Processing Features Over Captured Data</b>	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.
<b>Scale Up Storage Architecture Provides the Storage Needed for up to 5T Captured Data</b>	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.
<b>Light Weight, Easy to Carry Around Portable Solution</b>	Light weight and easy to carry around. Coming with the wheeled carrying case.	Tailored for field applications and working on-site.
<b>Browser Based User Interface for Anywhere Management Capability</b>	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. 
<b>Low Power, Cost Effective and High Reliability and Availability</b>	Leveraging latest generation processor technologies, FlowMagic-204P-17 is power efficient, cost effective and high reliability portable solution.	<ul style="list-style-type: none"> <li>• Reduce CAPEX and OPEX</li> <li>• High Availability by Design</li> </ul>

## FlowMagic-204P-17 External Interfaces Specification

Function	Compliance	Type	Quantity
<b>Variety of Traffic Ports from 10Mb/100Mb/1Gb RJ45, 100Mb/1G SFP, 10Gb LAN, 9.953 WAN, 25Gb SFP28, 40G QSFP+ to 100Gb QSFP28</b>	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
<b>10/100/1000Mbps Management Port</b>	10/100/1000BASE-T Category 5, Category 5e, Category 6 UTP	Copper RJ-45	2
<b>Dedicated 10/100/1000Mbps IPMI Port</b>	10/100/1000BASE-T Category 5, Category 5e, Category 6 UTP	Copper RJ-45	1
<b>10GBase-T Management Port</b>	IEEE 802.3 10GBase-T	Copper RJ-45	N/A
<b>10GBase-SFP+ Management Port</b>	IEEE 802.3 10GBase-SR	10G SFP+ Fiber Optics	N/A
<b>Console Port</b>	115200 Baud 8 Bit Data No Parity 1 Stop Bit	Serial	1
<b>USB Port</b>	USB 2.0 High Speed	USB 2.0	4
<b>USB Port</b>	USB 3.0 High Speed	USB 3.0	2
<b>DVI Port</b>	DVI-D, DVI-I Connectors	DVI	1
<b>2.5" Local Hard Drive</b>	SATA-II Hot Swappable Drive Bays	2.5" Hard Drive	6 (6 available for data storage)
<b>2.5" System Hard Drive</b>	SATA-II Fixed Internal Hard Drive Bays	2.5" Hard Drive	1
<b>Power Button</b>	Push Button	Push Button	1
<b>Reset Button</b>	Reset Button	Reset Button	N/A
<b>Front Panel Accessible Rear Locator Button</b>	Turn on location LED on Rear	Push Button	N/A
<b>Visible LED Panel</b>	Power LED HDD Activity LEDs	LEDs	2
<b>Power Supply</b>	650W Power Supply 100-240VAC 50-60Hz, Auto Switch	1	1
<b>Keyboard/Mouse</b>	104-key industrial keyboard with touchpad	RJ-45	1

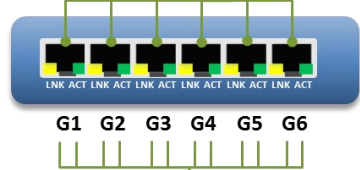
# FlowMagic-204P-17 Front Panel Features



# FlowMagic-204P-17 Left Panel Features

## Traffic Module—iNIC-T6G-RJ45\*

### 10M/100M/1G RJ45 Traffic Ports

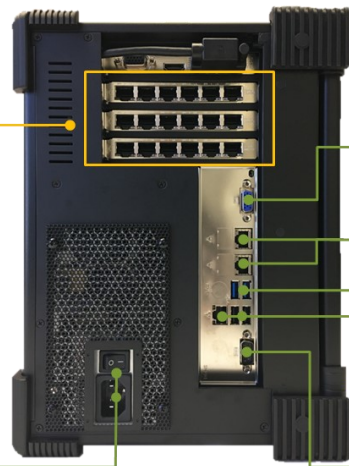


### Traffic Ports LEDs

Provide Traffic Port status below:

- Green: 100Mbps Traffic Speed
- Yellow: 1Gbps Traffic Speed

Power Button  
Power Connector



VGA port

10/100/1000M RJ-45 Port  
10/100/1000M RJ-45 Port

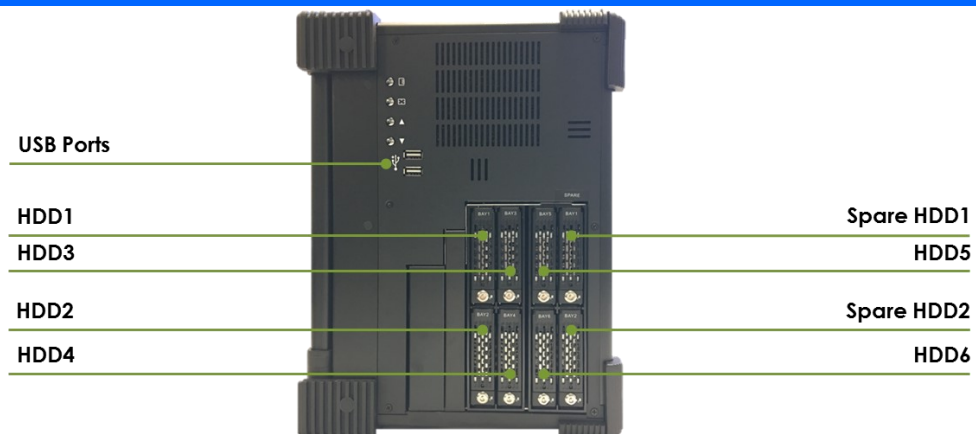
Dual USB Ports

Dedicated IPMI Gigabit RJ-45 Port  
Dual USB Ports

Com Port

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

# FlowMagic-204P-17 Right Panel Features



## FlowMagic-204P-17 Foundation Package

Features and Packages	Description
<b>InfiniOS 64Bit Operating System</b>	The latest generation InfiniCORE 64 bit Operating System
<b>HTML 5 Based Web Management User Interface</b>	Operating system independent Web UI supports access from Google Chrome, Mozilla Firefox, Microsoft Internet Explorer 9,10 and Apple Safari.
<b>Software Defined Data Plane Orchestrator</b>	Manage up to three 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.
<b>High Performance Traffic Capture Package</b>	Purposefully optimized network traffic capture package provides functions such as timestamp, filter, truncation, source port tagging, tunnel termination etc.
<b>Statistic Master Package</b>	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.
<b>Storage Orchestrator</b>	Store captured traffic into local hard disk drives; Automatic space recycling is supported.
<b>Storage Benchmark Package</b>	Embedded storage benchmark tool to evaluate the performance of attached data drives under installed drive model (s).
<b>Packet Decoder Crystal View Package</b>	Provide instant traffic decoding and display from the web interface; multi-format display such as packet brief, packet details and Hex format are supported.
<b>Drill Master Traffic Analytic and Export Package</b>	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-17 Optional Package

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

Features and Packages	Description
<b>Privacy Defender Package</b>	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.
<b>Store Compressor Package</b>	Store Compressor package compresses the captured traffic using industry standard GZIP file format (RFC1952) before sending the captured data to storage.
<b>Store Safe Package</b>	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-17 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-17 Physical and Environmental Specification

Item	Description
Dimension (Width x Depth x Height)	16.6 x 9.1 x 12 (inches) 422 x 230 x 305 (millimeters)
Net Weight	30 (pounds )/ 13.6 (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-17 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-17-[]	Based on Configuration	Based on module selection	Foundation Package

## FlowMagic-204P-17 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