



FlowDirector - 12K

32 QSFP-DD 400G Ports Network Flow Director

Applications

- Network Monitoring and Forensic Infrastructure ■
- Network Visibility and SPAN Port Expansion ■
- Advanced Inline High Speed Network Diagnosis ■
- Lab Test Equipment Sharing and Automation ■
- Lab Equipment Cable Management Optimization ■
- Network Element Quality Assurance ■

32 400G QSFP-DD

400G QSFP-DD Ports With DAC Support
Each 400G Port Can Be Broken into 2x
200G or 4x100G Ports
12.8Tbps Throughput, Low Latency

Powerful Flow Management

Supports Dynamic Virtual Wire; Inline Traffic Split
and Merge; Traffic Replication; Traffic Aggrega-
tion; Fan out; Load Balancing and Switching all at
line rate.

Compact and Cost Effective

1U Rack Mount
700W of Power Consumption

Easy to use Web GUI, CLI and Auto- mation APIs



Next-Generation Device Built For Network Visibility and Forensic Infrastructure. Significantly Reduce SPAN Port Usage and Maintain Total Visibility for All Analytic Equipment. Improve Lab Tool Efficiency and Simplify Cable Management

FlowDirector-12K

InfiniFlow Series



- Network Monitoring and Forensic Infrastructure
- Ensure complete visibility across all monitoring and forensic devices
- Flexible, reliable, and lossless traffic management for 100 Gigabit, 200Gigabit, and 400 Gigabit environments
- Standards-based Easy-to-Use InfiniOS
- Intuitive Web UI and CLI Support
- Programmable API for automating operational tasks
- Comprehensive status and statistics available through an intuitive user interface
- Enhanced sharing of lab equipment across teams
- Improved cable management with built-in inline diagnostics and inline diagnosis capabilities
- Low TCO
- Compact 1U

Contact us

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Next Generation Device For Total Network Visibility

The InfiniCORE® Network FlowDirector-12K enables network administrators to connect high-speed networks to monitoring and forensic devices without creating congestion. It provides the flexibility to deploy additional monitoring tools on the fly, eliminating the need for SPAN ports. Administrators can choose from a range of traffic management modes—including replication and load balancing—tailored to their requirements. Across all modes, the FlowDirector-12K delivers up to 12.8 Tbps throughput at line rate, even when handling the smallest frame sizes.

Streamlined, High-Performance Software Suite

The Network FlowDirector runs on InfiniOS, delivering full remote management through both a web-based GUI and a command-line interface. Operators can easily access all features and monitor device status directly via the intuitive web interface.

Improve Lab Efficiency and simplify Cable Management

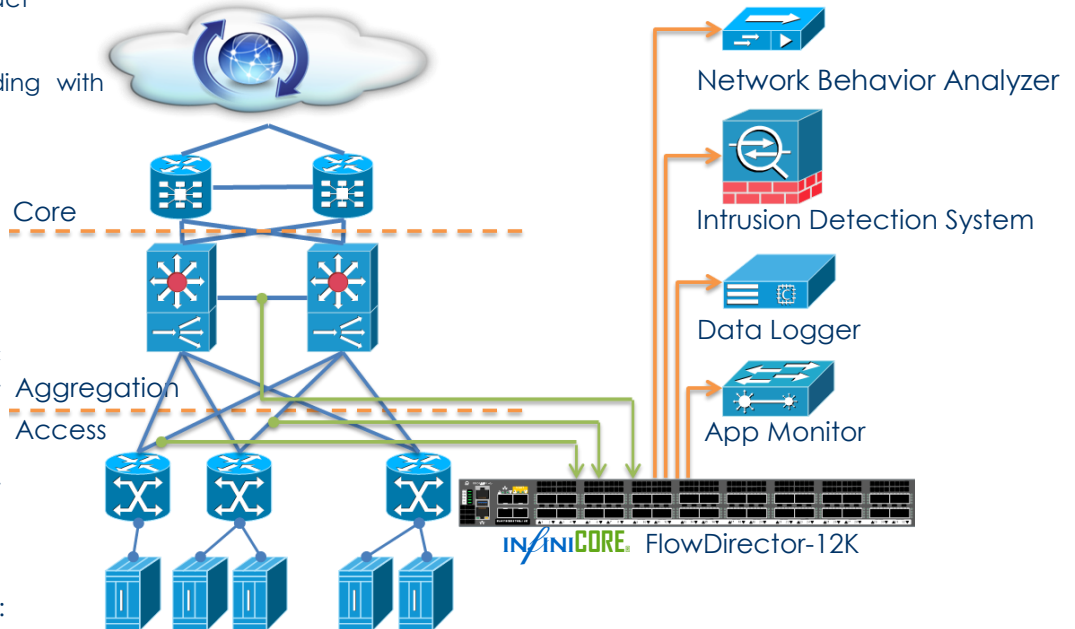
The Network FlowDirector-12K is an essential solution for boosting lab efficiency and simplifying cable management. It allows teams to share scarce, high-cost load generation ports across multiple DUT models without the need for rewiring. With its innovative Virtual Wire technology, connectivity changes can be made instantly with just a few mouse clicks. In addition, the FlowDirector-12K provides detailed statistics and visualization tools, giving administrators and engineers complete visibility into their lab setup.

Port	Port Name	Speed	ECN	Admin	Link	Transceiver	Capabilities	Asymmetry	Traffic In	Replicate	Traffic Out	Replicate	Queue	Queue	Queue
P1	P1	100G	NONE	ENB	DOWN	NDMPP-C103	0	0	0	0	0	0	0	0%	0%
P2	P2	100G	NONE	ENB	DOWN	NDMPP-C103	0	0	0	0	0	0	0	0%	0%
P3	P3	100G	NONE	ENB	DOWN	NDMPP-C103	0	0	0	0	0	0	0	0%	0%
P4	P4	100G	NONE	ENB	DOWN	NDMPP-C103	0	0	0	0	0	0	0	0%	0%
P5	P5	100G	NONE	ENB	DOWN	NDMPP-C103	0	0	0	0	0	0	0	0%	0%
P6	P6	100G	NONE	ENB	DOWN	NDMPP-C103	0	0	0	0	0	0	0	0%	0%
P7	P7	100G	NONE	ENB	DOWN	NDMPP-C103	0	0	0	0	0	0	0	0%	0%
P8	P8	100G	NONE	ENB	DOWN	NDMPP-C103	0	0	0	0	0	0	0	0%	0%
P9	P9	100G	NONE	ENB	DOWN	NDMPP-C103	0	0	0	0	0	0	0	0%	0%
P10	P10	100G	NONE	ENB	DOWN	NDMPP-C103	0	0	0	0	0	0	0	0%	0%
P11	P11	100G	NONE	ENB	DOWN	NDMPP-C103	0	0	0	0	0	0	0	0%	0%
P12	P12	100G	NONE	ENB	DOWN	NDMPP-C103	0	0	0	0	0	0	0	0%	0%

Highlights of Product Use Cases

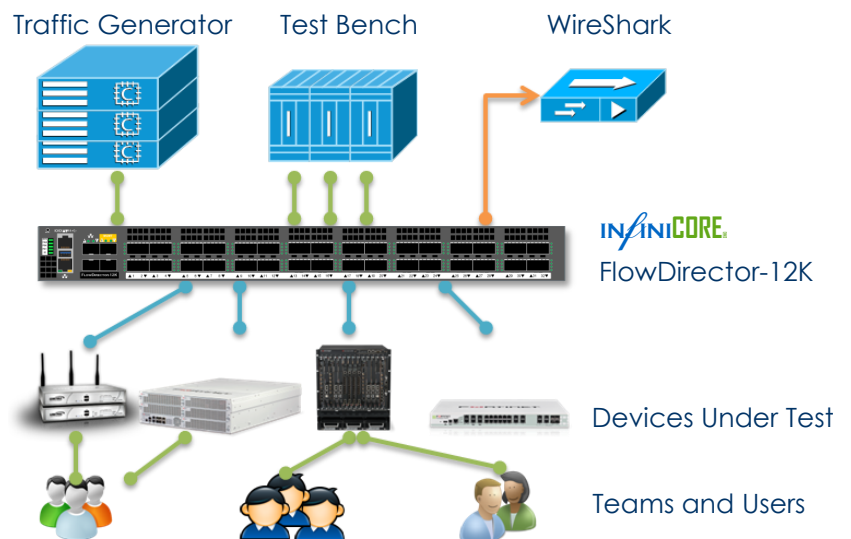
Next-Generation Device for Network Monitoring and Forensic Infrastructure

- Single or Multi-Point Deployment with Minimal Network Impact
- Line-Rate Packet Forwarding with Guaranteed Performance
- Connect unlimited Monitoring devices on the fly without service interruption
- Advanced built-in traffic management modes tailored to your needs
- Ensure network compliance with standards such as SOX, PCI, and HIPAA
- Broad media support: 100G, 200G, 400G



Improve Sharing of Scarce Lab Resource and Simplify Cable Management

- Share costly tester ports efficiently across multiple teams and DUTs
- Automatically switch connections between tester and DUTs
- Non-intrusive sniffer solution with real-time, on-demand tapping
- Run regression tests across multiple DUTs without cable changes
- User management and port reservation
- Comprehensive statistics and counters for full insight into network traffic and state



- Efficiently Share Lab Equipment and DUTs
- No Cable Rewiring
- Non intrusive traffic monitoring

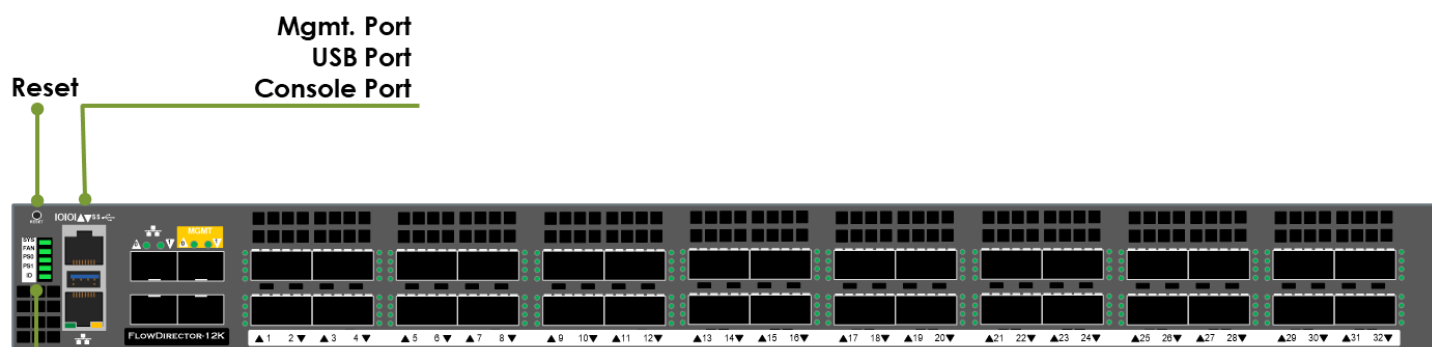
All specifications and figures are subject to change without prior notice.

Actual products may look different from the photos.

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Advancing Towards Full Transparency in Your Network

- **Data centers** and **enterprises** that deploy IDS, Probes, data logger devices
- **Governments** and **agencies** Performing network monitoring and forensic data collection
- **Service providers** delivering IP-based services and applications with high visibility and reliability
- **Network Operators** maintaining networks while ensuring regulatory and standards compliance
- **Third parties** and **labs** conducting device validation and certification through rigorous testing

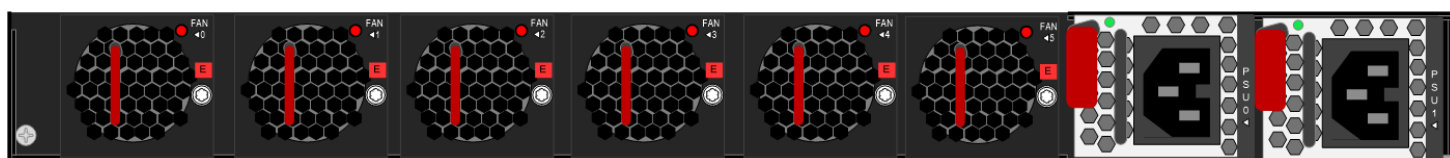


SYS/FAN/PSU/ID LED Status

SYS	System LED	Green: Normal
FAN	Fan LED	Green: Normal
PS0	PSU Model0 LED	Green: Normal Amber: Not working
PS1	PSU Model1 LED	Green: Normal Amber: Not working
ID	Identification LED	Green: On

400G QSFP-DD Status Lights-4 LEDs per Port for Breakout Mode

Green	400Gbps Link
Blinking Green	Transmit or Receive Packets at 400Gbps
Yellow	200G or 100Gbps Breakout Link
Blinking Yellow	Transmit or Receive Packets at 200G or 100Gbps
OFF	No Link



Fan Module

Hot Swappable Fan Module	6
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Power Supply

1300W PSU Module	2
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Infinicore® FlowDirector-12K Order Information

Part Number	Redundant Power Supply	Form Factor	Operating Temperature
FDS-12K-R2	Dual Modules	1U Rack Mountable	0-40 C

Contact Infinicore Sales sales@infinicoreinc.com
For more information, visit <http://www.infinicoreinc.com>