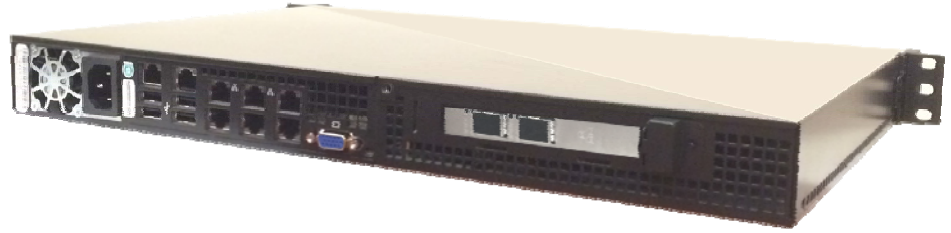




2/4/6× 10/100/1000Mb iNIC
 2× 1/10Gb iNIC
 4× 1/10Gb iNIC
 2× 1/10/25Gb iNIC



FlowDirector-8B

Lightweight Rack Mountable Packet Broker with Hardware Power Loss Bypass

FlowDirector Product Family Overview

FlowDirector is a purpose built appliance that is designed to enable service chaining between packet broker, traffic capture, real-time and retrospective traffic analysis and other advanced visibility functions such as deduplication and NetFlow record generation. Empowered by a software defined, graphically driven service builder, the FlowDirector is designed to ease the day-to-day monitoring and trouble shooting tasks for network administrators, developers and security teams.

The FlowDirector-8B is a 1U rack mountable appliance delivering rich feature set, high port density and excellent price performance. There are six 10Mb/100Mb/1000Mb RJ-45 ports organized as three bypass pairs with an option to add one additional traffic module.

Highlights to Main Features and Benefits

	Feature Highlights
6x 10Mb/100Mb/1000Mb RJ-45 Multi-service ports	<ul style="list-style-type: none"> Six RJ-45 10/100/1000Mb Ports organized into 3 pairs of bypass segments Each bypass segments can be configured as <ul style="list-style-type: none"> Always bypass No bypass, traffic to fabric Bypass when power loss
Optional iNIC Modules	<ul style="list-style-type: none"> iNIC-T2G/T4G/T6G-SFP/RJ45 Dual/Quad/Six 10Mb/100Mb/1Gb SFP/RJ45 iNIC iNIC-T20G-SFP/RJ45 Dual 1/10Gb SFP+/RJ45 iNIC iNIC-T40G-SFP/RJ45 Quad 1/10Gb SFP+/RJ45 iNIC iNIC-T50G-SFP Dual 1/10Gb/25Gb SFP28 iNIC
Packet Broker Functions	<p>Each of the interfaces can be configured to function as one of the following:</p> <ul style="list-style-type: none"> Packet slice Packet tagging Packet filter Packet Replication Packet Aggregation Packet Deduplication
Inline or Tap based deployment	<p>Rich deployment modes:</p> <ul style="list-style-type: none"> Seamlessly work with SPAN, TAP, optical splitter, FlowDirector or packet broker Support inline deployment mode, in which FlowDirector can: <ul style="list-style-type: none"> Forward packets between the ports Mirror a copy of bi-directional traffic to service domain
Traffic Capture Service	<p>Capture network traffic from traffic interfaces or from the output of a service component</p> <ul style="list-style-type: none"> Packet slicing Packet tag insertion Autonomous storage management and recycle

Main Features and Benefit Highlights

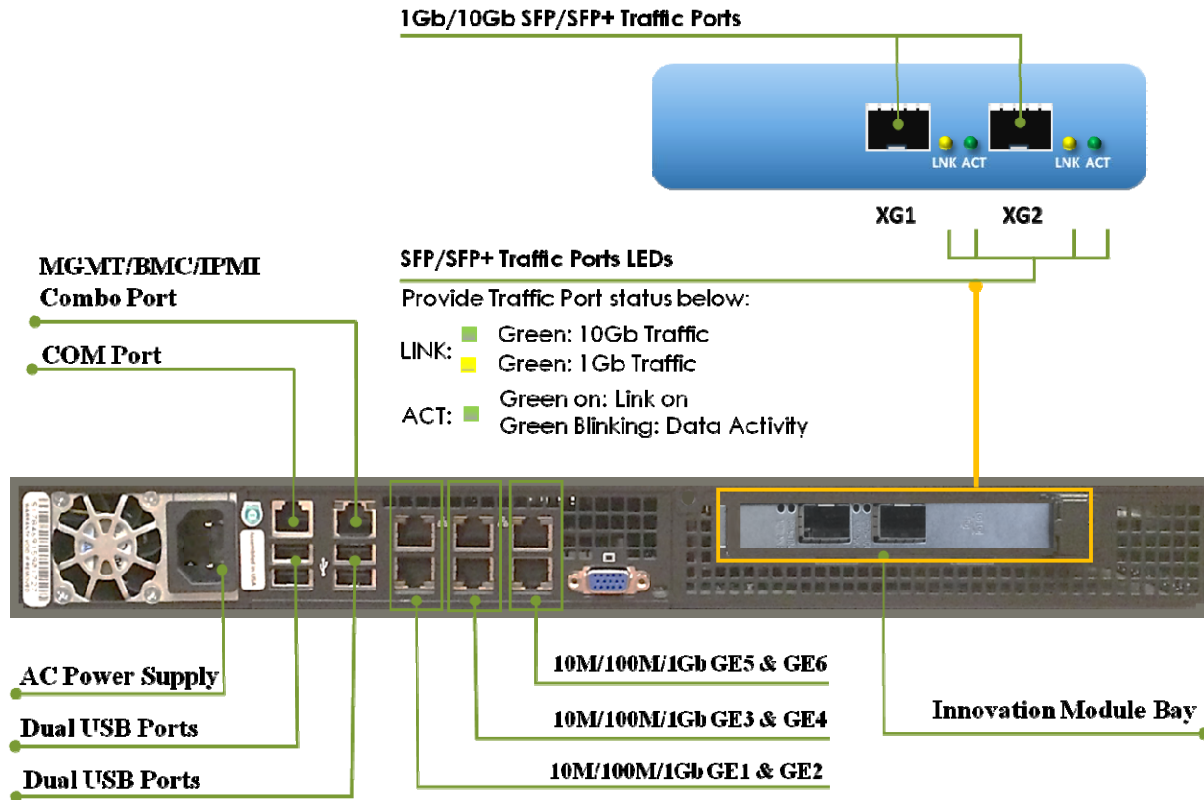
	Feature Highlights
Packet Shark Real-time and Retrospective Packet Viewer	Integrated real-time and retrospective packet viewer with display filter support <ul style="list-style-type: none"> • Full packet decode capabilities with tree view • Supports wireshark display filter syntax • Full mouse and keyboard navigation support • Integrated assistant to create display filter from any decoded field • Integrated event and ticket system for spotting issues
PCAP Exporter with Data Masking and Privacy Control	Rich PCAP export functionalities available from both Web UI and iVOS API <ul style="list-style-type: none"> • Export captured traffic into PCAP by time, filter, keyword scan or all above • Supports data masking by pattern match or protocol layer or portions of the packet • Flexible time stamp resolution support • Split PCAP output into specified file size • Optional compression and archive format support • Capability to rename the PCAPs during the download to avoid confusion
NetFlow V5/V9/IPFIX Generator	<ul style="list-style-type: none"> • Supports the generation of NetFlow records from ingress port or the output of services functions such as aggregator or filters • Supports NetFlow V5, V9 or IPFIX • Flexible reporting intervals and report control • Interop with standard NetFlow collectors • The Flow records can be output through a management port or a dedicated traffic port
Real-time/Near Real-time/Retrospective Deep Inspection Traffic Analyzer	Integrated traffic analyzer can be invoked in real-time, near real-time or retrospective analysis mode. <ul style="list-style-type: none"> • Multi timescale trending analysis by protocols • Integrated event and ticket reporting system • Integrated database navigation and query system • TopN, Endpoints, servers and protocols statistics • Integrated in-depth connections and transaction analysis • HTTP URL and DNS record extraction • GeoIP and AS aggregation and statistics • Traffic microburst monitoring • Endpoint and server traffic profiling and reporting

FlowDirector-8B External Interfaces Specification

Function	Compliance	Type	Quantity
Traffic Ports 10Mb/100Mb/1Gb RJ-45 and optional RJ-45, SFP, SFP/SFP+, SFP/SFP+/SFP28	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; 10/100/1G SFP with SGMII and Auto Negotiation Support; IEEE 802.3by 25 Gigabit Ethernet;	10G SFP+ Fiber Optics/ DACs; 1G SGMII Based SFP for Fiber Optics and RJ-45 Copper; 25G SFP28 Fiber Optics and DACs;	Standard - 6x 10Mb/100 Mb/1000Mb RJ-45; Optional traffic ports depending on traffic module selection.
Dedicated 10/100/1000Mbps BMC/ IPMI Port/Management Port	10/100/1000BASE-T Category 5, Category 5e, Category 6 UTP	Copper RJ-45	1
COM 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
VGA Port	VGA DB-15 Connector	DB-15	1
2.5" Fixed Internal Hard Drive with RAID Support	Fixed Internal SATA-III Drives; Optional support RAID-0,1	2.5" Hard Drive/SSD	Up to 4
Front Panel Accessible Power Button	Push Button	Push Button	1
Front Panel Accessible Reset Button	Reset Button	Reset Button	1
Front Visible LED Panel	System Information LED LAN Activity LEDs HDD Activity LED Power LEDs	LEDs	5
Power Supply	200W Power Supply 110-240V AC 50-60Hz Class I	1	1

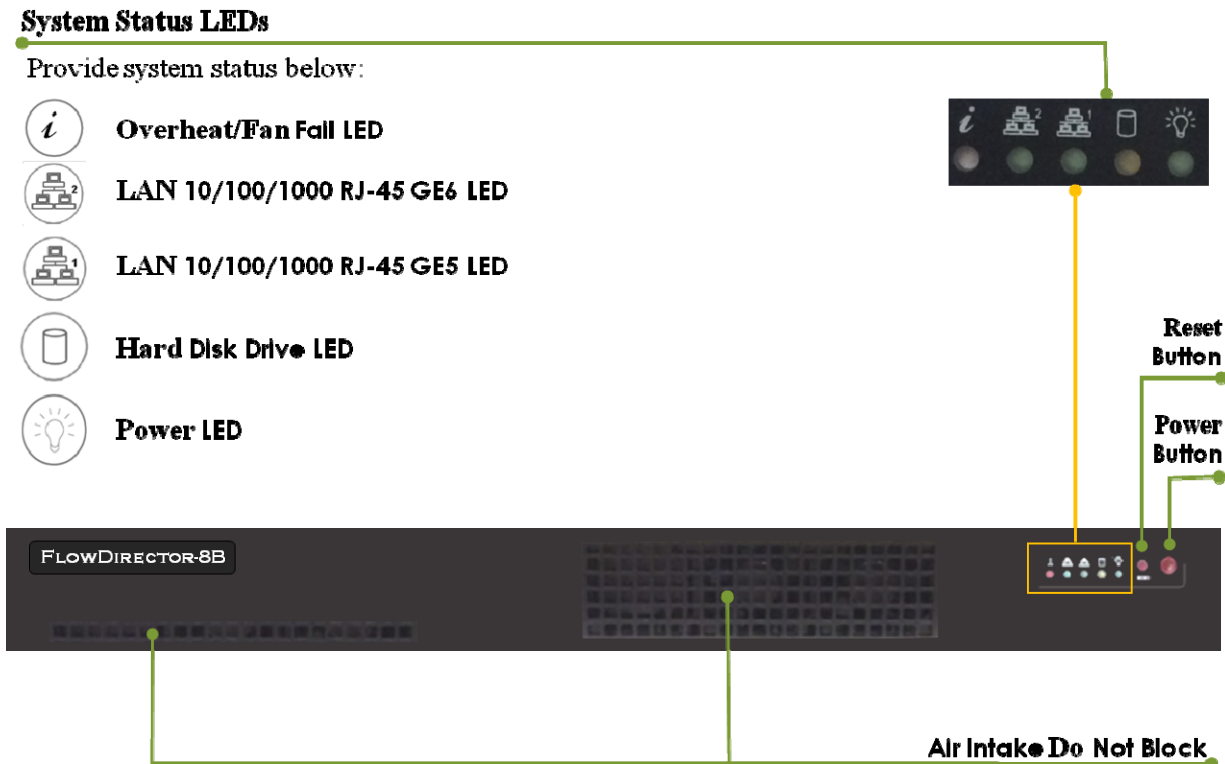
FlowDirector-8B Rear Panel Features

Traffic Module—iNIC-T20G-SFP*



*: Please see page 5 for the availability of traffic modules supporting different speeds and media types.

FlowDirector-8B Front Panel Features



FlowDirector-8B Standard Peripherals

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

FlowDirector-8B Physical and Environmental Specification

Item	Description
Dimension (Width x Depth x Height)	19 x 11.3 x 1.7 (inches) 483 x 287 x 43 (millimeters)
Net Weight	14 (pounds)/ 6.4 (kilograms)
Environment	Operating Temperature: 0° ~ 40° C (32° ~ 104° F) Non Operating Temperature: -40° ~ 70° C (-40° ~ 158° F) Humidity: 20 ~ 90% (Non-condensing)

FlowDirector-8B Ordering Information

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

Part Number	Traffic Ports	Port Specification	Software Package
FDS-8B-R1-[]	6x 10Mb/100Mb/ 1Gb RJ-45 + Based on Module selection	6x 10Mb/100Mb/1Gb RJ-45 Ports + Based on module selection	Foundation Package

FlowDirector-8B 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-T50G	2	1Gb/10Gb/25Gb SFP/SFP+/SFP28 Fiber