



2x1/10Gb Fixed SFP+

2x1/10Gb Fixed RJ45

Optional 4x Modules



8x 1Gb RJ45 Ports

4x 1Gb SFP  
2x 1/10Gb RJ45  
2x 1/10/25Gb SFP28

# FlowDirector Service Node-32

Rack Mountable Network Visibility Appliance

## Product Overview

FlowDirector Service Node (FSN) is designed as a fully functional FlowDirector with advanced add-on features. Built on the foundation of FlowDirector with all the packet broker functions, FSN provides a wide range of advanced network visibility functions such as Packet Deduplication, NetFlow Record Generation, Microburst Controller, Deep Tunnel Processor, and others.

The FlowDirector-Service-Node-32 (FSN-32) is a 1U rack-mountable modular appliance that delivers a perfect mix of port density, rich connectivity, and price performance.

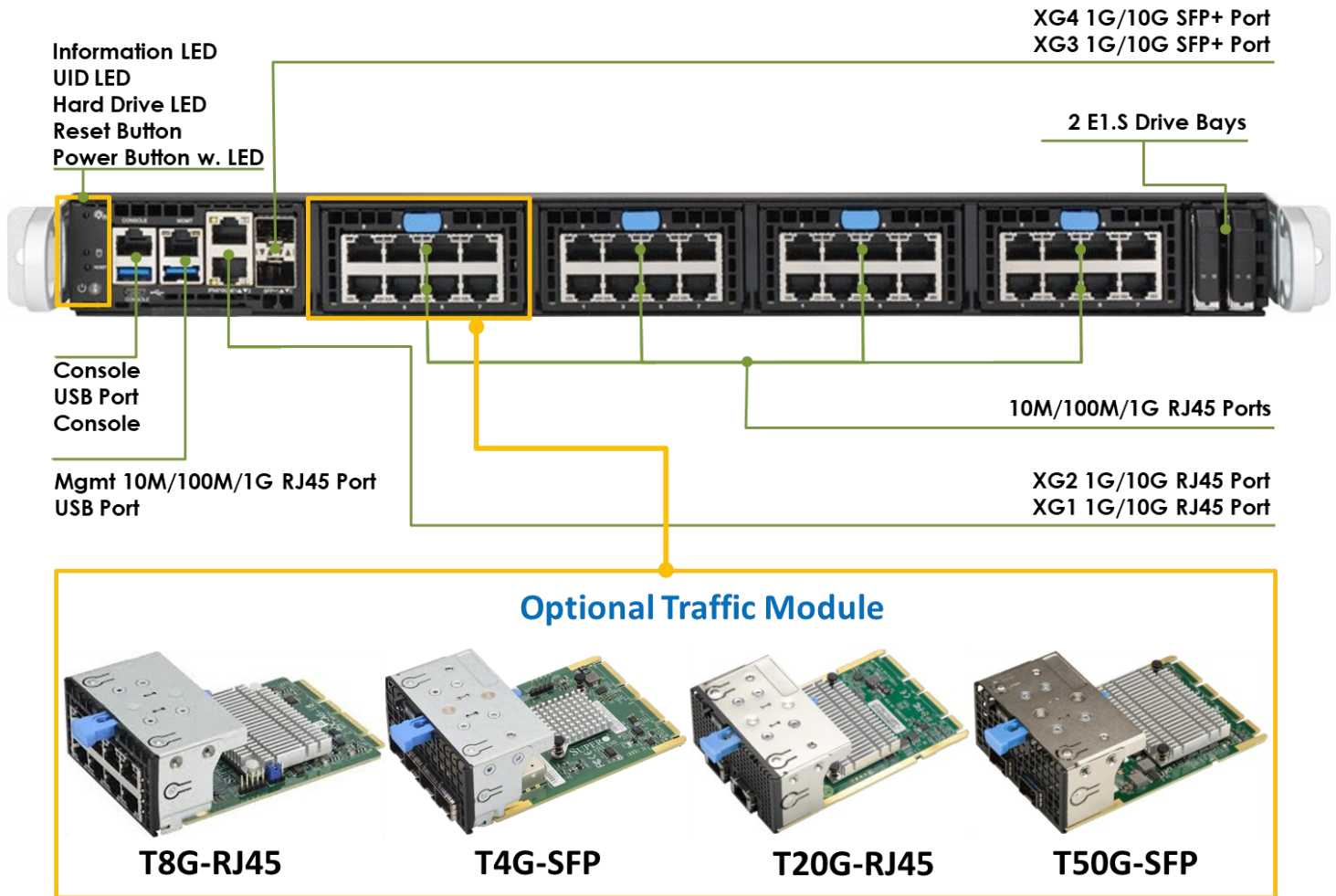
The FSN-32 features six fixed ports and four modular slots. The fixed ports include two management ports, two 1Gb/10Gb SFP/SFP+ ports, and two 1Gb/10Gb RJ45 ports. The four modular slots provide a wide combination of choices for copper and fiber applications running at the speed of 10/100/1000Mbps, 10Gbps, and 25Gbps.

The FSN-32 has one dedicated SSD based system drive and one internal mount option to install two high speed NVMe SSDs or one 2.5” hard drive for data storage.

## Main Features

	Feature Highlights
Traffic Ports Options <ul style="list-style-type: none"> <li>• 2x 1Gb/10Gb SFP/SFP+</li> <li>• 2x 1Gb/10Gb RJ45</li> <li>• Four Module Bays</li> </ul>	Each of the interfaces can be configured to function as one of the following: <ul style="list-style-type: none"> <li>• Traffic ingress/Egress port</li> <li>• Interface to send NetFlow record</li> <li>• Interface to connect to network attached storage</li> </ul>
Available Modules	<ul style="list-style-type: none"> <li>• T8G-RJ45                      Octo (8x) Copper (RJ-45) 10Mb/100Mb/1Gb Ports</li> <li>• T4G-SFP                        Quad (4x) SFP 10Mb/100Mb/1Gb Ports</li> <li>• T20G-RJ45                    Dual (2x) Copper (RJ-45) 100Mb/1Gb/10Gb Ports</li> <li>• T50G-SFP                      Dual (2x) SFP/SFP+/SFP28 1Gb/10Gb/25Gb Ports</li> </ul>
Network Packet Broker Functions	<ul style="list-style-type: none"> <li>• Traffic tagging</li> <li>• VLAN/MPLS/Cisco Fabric Path Insert/Removal</li> <li>• Traffic Aggregation</li> <li>• Traffic Replication</li> <li>• Traffic Filter</li> <li>• Load balance</li> </ul>
Advanced Network Visibility Functions	<ul style="list-style-type: none"> <li>• Packet Deduplication</li> <li>• V5/V9/IPFIX NetFlow Record Generation</li> <li>• Advanced Programmable Match-Action</li> <li>• VxLAN/GTP/IPIP Deep Tunnel Processor</li> <li>• Advanced Tunnel Processor</li> <li>• Microburst Controller</li> <li>• Packet Field Operator</li> <li>• Packet Capture (Require Data Drive Option)</li> </ul>

## FSN-32 Front Panel Features



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

## FSN-32 Rear Panel Features



## FSN-32 External Interfaces Specification

Function	Compliance	Type	Quantity
<b>Traffic Ports 10Mb/100Mb/1Gb RJ-45 and 100Mb/1G SFP/SPF+</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; 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;	2x 1Gb/10Gb SFP/SFP+ 2x 1Gb/10Gb RJ-45
<b>Choice of the Expansion Module</b>	T8G-RJ45  T4G-SFP  T20G-RJ45  T50G-SFP	8x 10Mb/100Mb/1Gb RJ45 Copper;  4x 10Mb/100Mb/1Gb SFP Fiber;  2x 100Mb/1Gb/10Gb RJ45 Copper;  2x 1Gb/10Gb/25Gb SFP/SFP+/ SFP28 Fiber;	Total up to 4;
<b>10/100/1000Mbps Management Port</b>	10/100/1000BASE-T Category 5, Category 5e, Category 6 UTP	Copper RJ-45	1
<b>Serial Port</b>	10/100/1000BASE-T Category 5, Category 5e, Category 6 UTP Micro USB	RJ-45  Micro USB	1  1
<b>Dedicated 10/100/1000Mbps IPMI Port</b>	10/100/1000BASE-T Category 5, Category 5e, Category 6 UTP	Copper RJ-45	NA
<b>Front Panel USB Port</b>	USB 3.0 High Speed	USB 3.0	2
<b>VGA Port</b>	VGA DB-15 Connector	DB-15	1
<b>2.5" Fixed Internal Hard Drive with RAID Support</b>	Fixed 2.5" Internal SATA-III Drive or M.2 NVMe SSDs;	2.5" Hard Drive/SSD Or M.2 NVMe SSD	1  Up to 2
<b>E1.S Hot Pluggable Drive</b>	EDSFF 1U Short Hot Pluggable Drives	E1.S SSD	2
<b>Front Panel Accessible Power Button</b>	Push Button	Push Button	1
<b>Front Panel Accessible Reset Button</b>	Reset Button	Reset Button	1
<b>Front Visible LED Panel</b>	System Information LED UID(Unique Identifier ) LED HDD Activity LED Power LED	LEDs	4
<b>Redundant Power Supply</b>	400W Platinum Certified Power Supply 110-240V AC 50-60Hz Class I	1+1	2

## FSN-32 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

## FSN-32 Physical and Environmental Specification

Item	Description
<b>Dimension</b> (Width x Depth x Height)	19 x 15 x 1.75 (inches) 483 x 381 x 43 (millimeters)
<b>Net Weight</b>	28 (pounds )/ 13 (kilograms)
<b>Environment</b>	Operating Temperature: 0° ~ 40° C (32° ~ 104° F) Non Operating Temperature: -40° ~ 70° C (-40° ~ 158° F) Humidity: 20 ~ 90% (Non-condensing)

## FSN-32 Order Information

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

Part Number	Traffic Ports	Port Specification	Software Package
FSN-32[-Mod1][-Mod2] [-Mod3][-Mod4]	2x 1Gb/10Gb SFP/SFP+ 2x 1Gb/10Gb RJ-45 + Optional up to 4 traffic modules choose from: 1. T8G-RJ45 2. T4G-SFP 3. T20G-RJ45 4. T50G-SFP	2x 1Gb/10Gb SFP/SFP+ Ports; 2x 1Gb/10Gb RJ-45 Ports; + Optional up to 4 traffic modules with supported port spec: 1. 8x 10Mb/100Mb/ 1Gb RJ-45 Ports; 2. 4x 10Mb/100Mb/1Gb SFP Ports; 3. 2x 100Mb/1Gb/10Gb RJ45 Ports; 4. 2x 1Gb/10Gb/25Gb SFP/SFP+/SFP28 Ports;	Foundation Package

## FSN-32 Available Traffic Modules

Part Number	Capture and Traffic Processing Ports Per Module	Number of Supported Traffic Modules	Port Specification
T8G-RJ45	8	1, 2, 3 or 4	10Mb/100Mb/1Gb RJ45
T4G-SFP	4	1, 2, 3 or 4	10Mb/100Mb/1Gb SFP Fiber
T20G-RJ45	2	1, 2, 3 or 4	100Mb/1Gb/10Gb RJ45
T50G-SFP	2	1, 2, 3 or 4	1Gb/10Gb/25Gb SFP/SFP+/SFP28 Fiber