



Up to Sixteen 1/10Gb SFP+/RJ45 Ports

Up to Six 1/10/25Gb SFP28 Ports

Up to Six 40/100Gb QSFP28 Ports



FlowDirector Service Node-400

Rack Mountable Network Visibility Appliance

Product Overview

FlowDirector Service Node (FSN) is built on the foundation of FlowDirector with all its packet broker functions, and 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-400 (FSN-400) is a 1U rack-mountable modular appliance that delivers superior port density, rich connectivity, and price performance.

The FSN-400 features three modular slots. The three modular slots provide a wide combination of choices for copper and fiber applications running at the speed of 10/100/1000Mbps, 10Gbps, 25Gbps, and 40/100Gbps.

The FSN-400 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

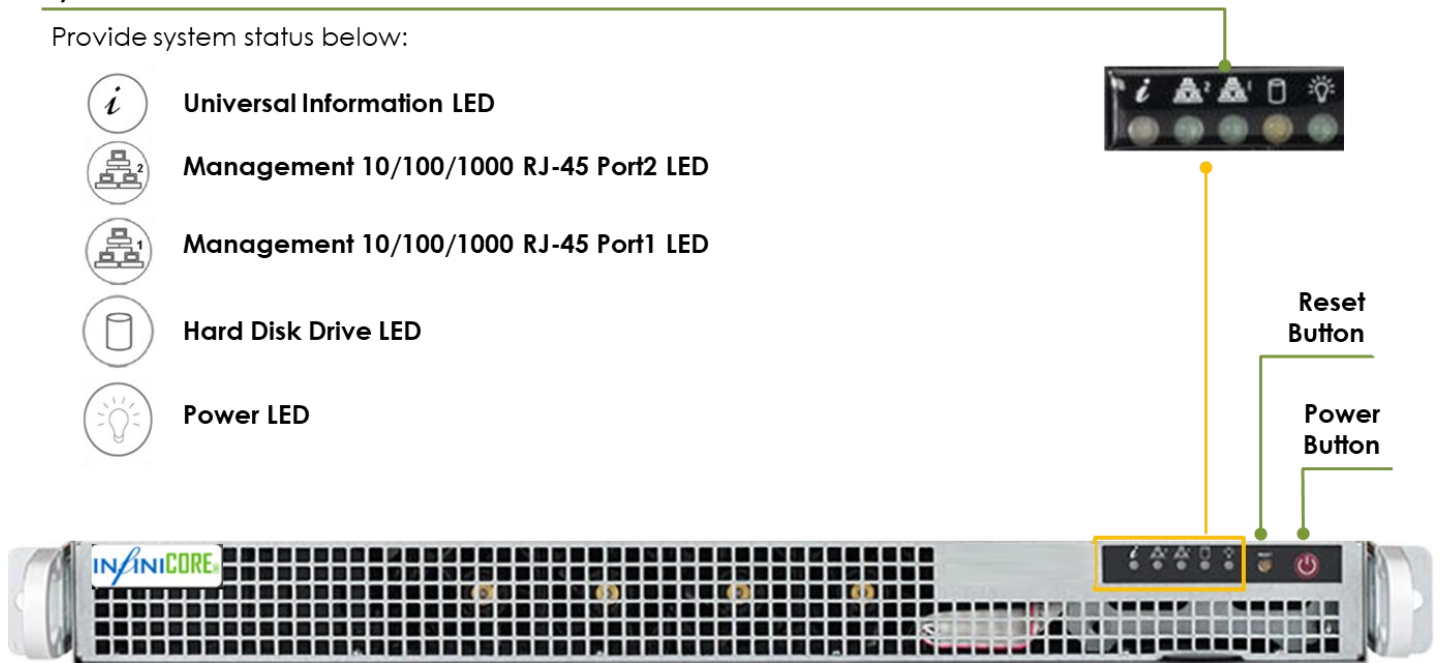
	Feature Highlights
Traffic Module Options: <ul style="list-style-type: none"> Up to 3 Modules for FSN-400-R Up to 2 Modules for FSN-400-F 	Each of the traffic interface can be configured to function as one of the following: <ul style="list-style-type: none"> Traffic ingress/Egress port Interface to send NetFlow record Interface to connect to network attached storage
Available Traffic Modules	<ul style="list-style-type: none"> 2 - 6 Regular Copper and Fiber iNIC modules for 1/10/25/40/100Gbps interfaces 2 - 4 Copper and Fiber iNIC modules with Bypass for 1/10/40/100Gbps interfaces 2 - 4 Copper and Fiber iNIC modules with Bypass and Embedded Switch for 1/10/40/100Gbps interfaces
Network Packet Broker Functions	<ul style="list-style-type: none"> Traffic tagging VLAN/MPLS/Cisco Fabric Path Insert/Removal Traffic Aggregation Traffic Replication Traffic Filter Load balance
Advanced Network Visibility Functions	<ul style="list-style-type: none"> Packet Deduplication V5/V9/IPFIX NetFlow Record Generation Advanced Programmable Match-Action VxLAN/GTP/IPIP Deep Tunnel Processor Advanced Tunnel Processor Microburst Controller Packet Field Operator Packet Capture (Require Data Drive Option)

FSN-400-R Front Panel Features

System Status LEDs

Provide system status below:

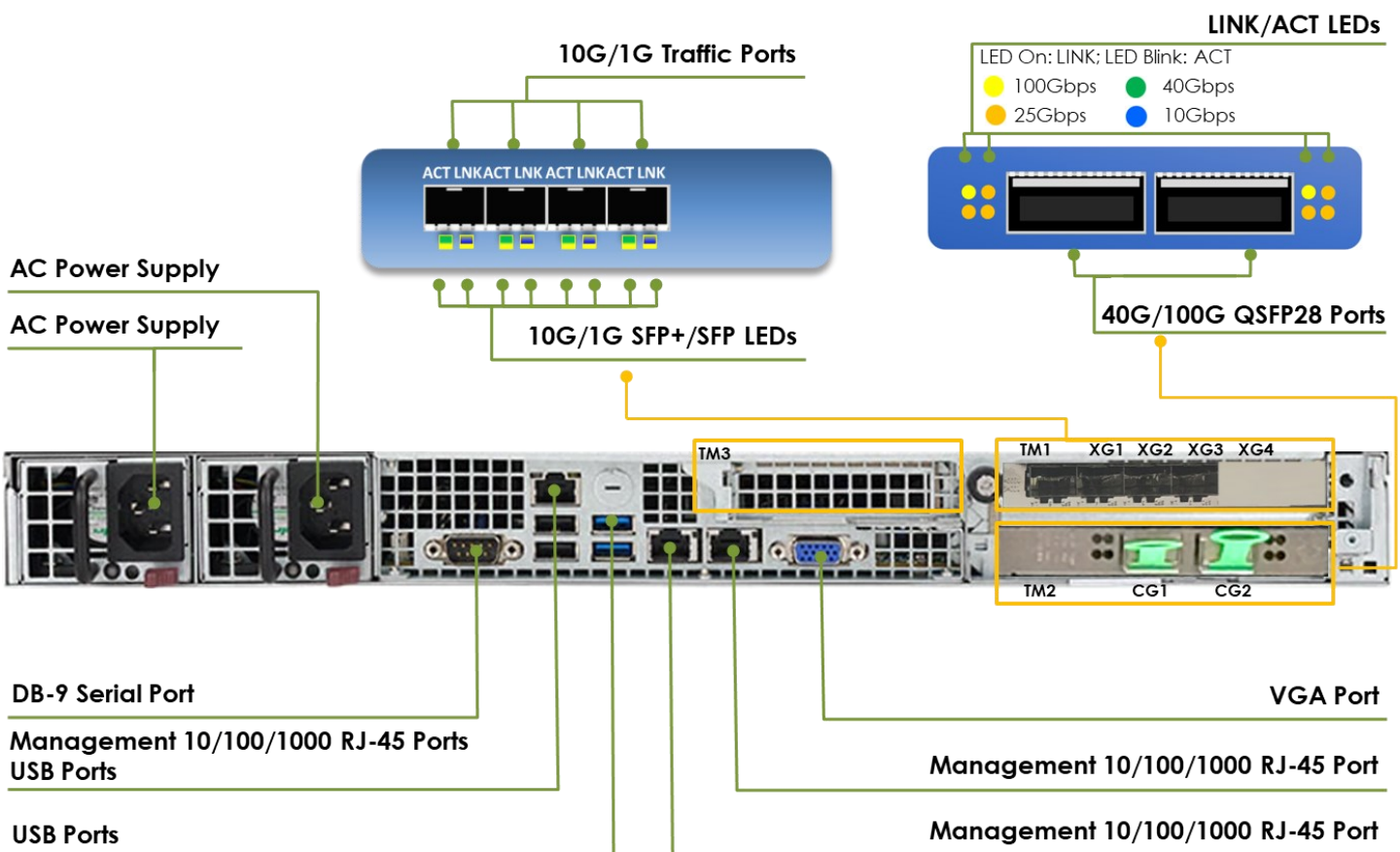
-  **Universal Information LED**
-  **Management 10/100/1000 RJ-45 Port2 LED**
-  **Management 10/100/1000 RJ-45 Port1 LED**
-  **Hard Disk Drive LED**
-  **Power LED**



FSN-400-R Rear Panel Features

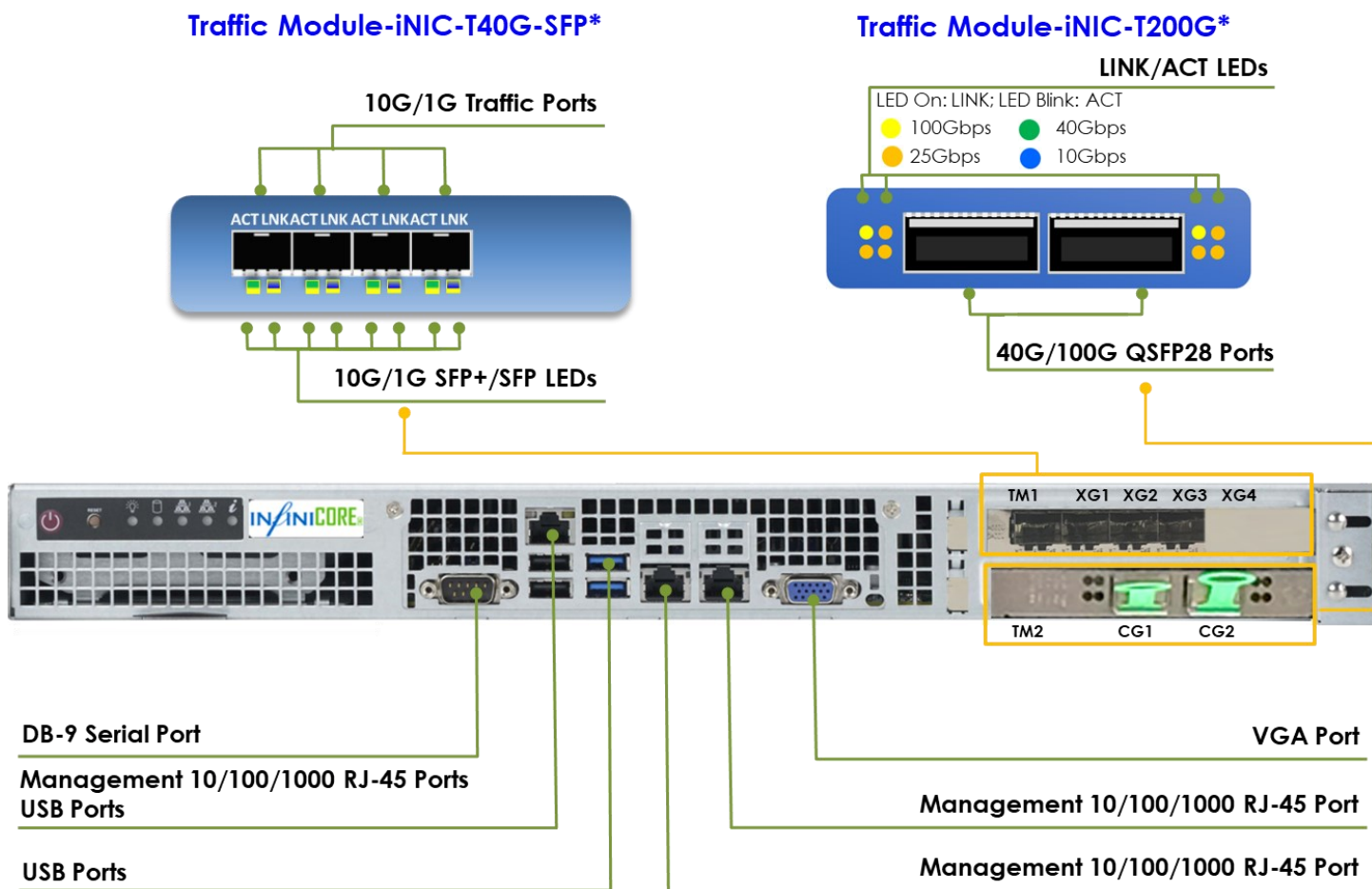
Traffic Module-iNIC-T40G-SFP*

Traffic Module-iNIC-T200G*



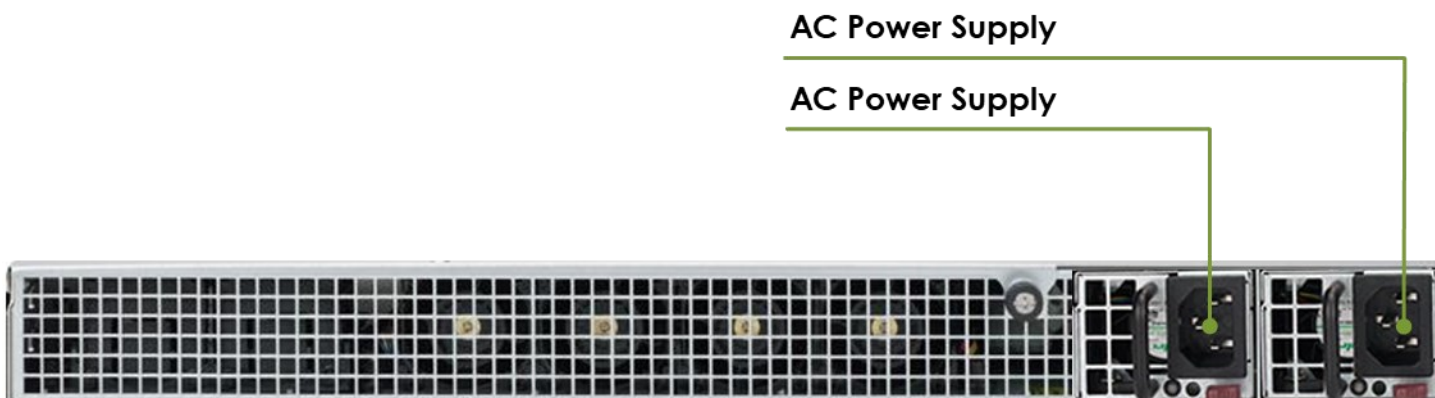
*: Please see page 5 for the availability of traffic modules with supported port specifications.

FSN-400-F Front Panel Features



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

FSN-400-F Rear Panel Features



FSN-400-F/R External Interfaces Specification

Function	Compliance	Type	Quantity
Variety of Traffic Ports from 10Mb/100Mb/1Gb RJ45, 100Mb/1G SFP, 25Gb SFP28, 40G QSFP+ to 100Gb QSFP28	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
Choice of the Expansion Module	<ul style="list-style-type: none"> 2 - 6 Regular Copper and Fiber iNIC modules for 1/10/25/40/100Gbps interfaces 2 - 4 Copper and Fiber iNIC modules with Bypass for 1/10/40/100Gbps interfaces 2 - 4 Copper and Fiber iNIC modules with Bypass and Embedded Switch for 1/10/40/100Gbps interfaces 		For FSN-400-R total up to 3; For FSN-400-F total up to 2;
10/100/1000Mbps Management Port	10/100/1000BASE-T Category 5, Category 5e, Category 6 UTP	Copper RJ-45	2
Visible LED For RJ-45 Management Ports	LED for Link LED for Activity	Green LED Yellow LED	2 Per Port
COM Port	115200 Baud 8 Bit Data No Parity 1 Stop Bit	Copper Port	1
10/100/1000 Mbps IPMI/BMC Management Port	10/100/1000BASE-T Category 5, Category 5e, Category 6 UTP	Copper RJ-45	1
Visible LED for RJ-45 IPMI/BMC Management Port	LED for Link LED for Activity	Green LED Yellow LED	2 Per Port
VGA Port	Standard VGA Output Port	DB-15	1
USB Port	USB 3.0 High Speed 1.6Gbps Port USB 2.0 High Speed 480Mbps Port	Type A	2 2
Air Flow and Fans	PWM Controlled Long Endurance Fan	Front to Back Air Flow	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 Management RJ45 Port1 LED Management RJ45 Port2 LED HDD Activity LED Power LED	LEDs	5
Redundant Power Supply	400W Platinum Certified Power Supply 110-240V AC 50-60Hz Class I	1+1	2
Rack Mount Kit	19 Inch Rack Mountable	19 Inch Rack Mountable	1

FSN-400 Standard Peripherals

Part Name	Quantity
UTP Cat 6. Ethernet Cable	1
Rack Mounting Kit	1

FSN-400 Physical and Environmental Specification

Item	Description
Dimension (Width x Depth x Height)	19 x 16.9 x 1.7 (inches) 483 x 430 x 43 (millimeters)
Net Weight	28 (pounds)/ 13 (kilograms)
Environment	Operating Temperature: 0° ~ 40° C (32° ~ 104° F) Non Operating Temperature: -40° ~ 70° C (-40° ~ 158° F) Humidity: 20 ~ 90% (Non-condensing)

FSN-400 Order Information

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

Part Number	Traffic Ports	Port Specification	Software Package
FSN-400-[R]/[F]-[-Mod1][-Mod2][-Mod3]	Based on configuration	Based on module selection	Foundation package

FSN-400 Available Traffic Modules

Module Type	Part Number	Traffic Processing Ports	Port Specification
Regular Fiber and Copper iNIC Module without Bypass	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/40G-RJ45	2 or 4	10Mb/100Mb/1Gb/10Gb RJ45 Copper
	iNIC-T20G/40G-SFP	2 or 4	1Gb/10Gb SFP/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
Fiber and Copper Bypass Module	iNIC-T20G/40G-RJ45-BP	2 or 4	10Mb/100Mb/1Gb/10Gb RJ45 Copper
	iNIC-T20G/40G-SRD/LRD-BP	2 or 4	1Gb/10Gb Fiber SX/SR, LX/LR
Fiber and Copper Bypass Module with Embedded Switch	iNIC-T40G-RJ45-BPS	4	10Mb/100Mb/1Gb/10Gb RJ45 Copper
	iNIC-T40G-SRD/LRD-BPS	4	1Gb/10Gb Fiber SX/SR, LX/LR
	iNIC-T80G-SRD/LRD-BPS	2	40Gb Fiber SR4/LR4
	iNIC-T200G-SRD/LRD-BPS	2	40Gb/100Gb Fiber SR4/LR4