



Cisco N93320TC-FX3P Switch

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The Cisco® N9300-FX3 Series Switches are the latest generation of fixed N9000 platforms, designed to support a wide range of data center network roles including leaf, Top-of-Rack (ToR), and End-of-Row (EoR) configurations. The Cisco N93320TC-FX3P is a high-performance, fixed form-factor switch designed for modern enterprise and service provider data centers. Purpose-built to meet custom requirements for customers such as FedEx, this switch delivers advanced features such as PoE++, 10G downlinks with 100G uplinks, and Cisco Application Centric Infrastructure (Cisco ACI®) integration in a compact footprint.

Key features and benefits of Cisco N93320TC-FX3P:

- **PoE++ support:** Delivers power and data over the same cable, enabling direct support for devices including wireless access points, IP cameras, and IoT sensors.
- **Flexible port configuration:** 12 x 10GBASE-T ports (any 2 PoE++ capable, any 6 PoE+ capable), plus 2 x 100G QSFP28 uplinks for high-speed backbone connectivity.
- **Custom form factor:** Compact dimensions (3.45 x 9.16 x 13 in.) enable direct replacement of N9358GY-FXP switches without rack modifications to accommodate PoE devices of higher power requirement and network bandwidth requirements.
- **ACI integration:** Runs in ACI leaf-only mode, providing policy-based automation, microsegmentation, and telemetry as part of the Cisco Software-Defined Networking (SDN) fabric.
- **Modern ASIC architecture:** Powered by Cisco’s latest cloud scale ASIC, enabling high performance and feature-rich telemetry.
- **Advanced telemetry:** Offers streaming telemetry, microburst detection, buffer utilization, and timestamped flow data for real-time visibility.

The Cisco N93320TC-FX3P switch can be deployed as a leaf switch in the ACI fabric.

Product specifications

Table 1. Product specifications

Specification	Description
Product ID	N9K-C93320TC-FX3P
Total ports	12-port 10GBASE-T and 2-port 100G QSFP28
PoE ports	All ports capable of PoE++ (2 PoE++ and any 6 PoE+ at any given time)
Form factor	2 RU compact width
Dimensions (H x W x D)	3.45 x 9.16 x 13 in. (88 x 233 x 330 mm)

Specification	Description
Forwarding bandwidth	Line rate on all ports
Application-Specific Integrated Circuit (ASIC)	Cisco Cloud Scale
System memory	32 GB
Packet buffer	40 MB shared buffer
Operating system	ACI leaf mode only
Management interfaces	Console, management 10/100/1000 Ethernet, USB
CPU	4 cores
Solid -State Drive (SSD)	-
Power supplies	Integrated 500W Power Supply Unit (PSU)
Typical power (AC/DC)	-
Maximum power (AC/DC)	-
Input voltage (AC)	-
Fans	-
Airflow	-
Acoustics	-
Mean Time Between Failure (MTBF)	-
Minimum ACI release	-
Telemetry and Automation	Streaming telemetry, gRPC, RESTCONF, NETCONF, NX-API, YANG
Cooling and power	Redundant hot-swappable fans and PSUs
Environmental compliance	RoHS-6 compliant, REACH, WEEE



Software licensing

The software packaging for the Cisco N9000 Series offers flexibility and a comprehensive feature set. N93320TC-FX3P supports ACI in the leaf mode. To meet customer requirements, licensing is available as both subscription and perpetual. The licensing guide illustrates the software packaging and licensing available to enable advanced features. For the latest software release information and recommendations, refer to the product bulletin at <https://www.cisco.com/go/nexus9000>.

For details about the optics modules available and the minimum software release required for each supported module, visit https://www.cisco.com/en/US/products/hw/modules/ps5455/products_device_support_tables_list.html.

Supported optics modules

For details on the optical modules available and the minimum software release required for each supported optical module, visit [here](#).

Ordering information

Table 2. Product IDs and ordering information

Part #	Description
N9K-C93320TC-FX3P	Cisco N9300-FX3, 12 x 10GBASE-T (PoE++/PoE+), 2 x 100G QSFP28, ACI only. The switch also comes with integrated power supplies.

Warranty, services, and support

Cisco Smart Switches come with a 1-year limited hardware warranty. The warranty includes hardware replacement with a 10-day turnaround from receipt of a Return Materials Authorization (RMA).



Product sustainability

Information about Cisco’s Environmental, Social, and Governance (ESG) initiatives and performance is provided in Cisco’s CSR and sustainability [reporting](#).

Table 3. Cisco environmental sustainability information

Sustainability topic		Reference
General	Information on product-material-content laws and regulations	Materials
	Information on electronic waste laws and regulations, including our products, batteries, and packaging	WEEE Compliance
	Information on product takeback and reuse program	Cisco Takeback and Reuse Program
	Sustainability inquiries	Contact: csr_inquiries@cisco.com
Power and material	Product-packaging weight and materials	Contact: environment@cisco.com

Cisco and partner services

Cisco offers a wide range of services to help accelerate your success in deploying and optimizing Cisco Smart Switches in your data center. The innovative Cisco Services offerings are delivered through a unique combination of people, processes, tools, and partners and are focused on helping you increase operation efficiency and improve your data-center network. Cisco Advanced Services uses an architecture-led approach to help you align your data-center infrastructure with your business goals and achieve long-term value. The Cisco SMARTnet® service helps you resolve mission-critical problems with direct access at any time to Cisco network experts and award-winning resources.

Cisco Capital

Flexible payment solutions to help you achieve your objectives

Cisco Capital® makes it easier to get the right technology to achieve your objectives, enable business transformation, and help you stay competitive. We can help you reduce the total cost of ownership, conserve capital, and accelerate growth. In more than 100 countries, our flexible payment solutions can help you acquire hardware, software, services, and complementary third-party equipment in easy, predictable payments. [Learn more](#).