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VERIFIED PRODUCT DATASHEET

IE-9320-24P4X-E

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	IE-9320-24P4X-E
Document Type	Product Datasheet
Condition	Brand New, Original and Verifieded
Supplier	Layer23-Switch.com

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IE-9320-24P4X-E Datasheet



The Cisco IE-9320-24P4X-E datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the IE-9320-24P4X-E and integrate it into enterprise or service provider networks with confidence.

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Key Features

High-Performance 10G Aggregation

Designed for the data demands of Industry 4.0, this switch features four 10 Gigabit SFP+ uplink ports. This ensures a non-blocking backhaul for massive video streams and big data analytics, preventing bottlenecks between the access edge and the core network.

Scalable Power for IoT

With 24 Gigabit PoE+ ports, the switch serves as a centralized power hub for OT devices. It supports a robust power budget of up to 720W (using redundant power supplies), enabling the deployment of power-hungry PTZ cameras and sensors without the cost of installing additional electrical circuitry.

Simplified Operations via Stacking

Reduce management overhead by stacking up to 4 switches into a single management plane. This feature allows for scalable port density in space-constrained cabinets while providing redundancy and a single point of configuration for up to 112 ports.

Utility-Grade Reliability

Engineered for mission-critical reliability, this platform is compliant with IEC 61850-3 and IEEE 1613 standards for substation environments. Its fanless, convection-cooled design eliminates moving parts, ensuring longevity in dusty, vibrating, and extreme-temperature environments (-40°C to 75°C).

Cyber Security & Visibility

Provides comprehensive visibility into industrial assets through embedded Cisco Cyber Vision sensors. Integrated with Secure Boot and Cisco TrustSec, it enables network segmentation and zero-trust security policies to protect critical infrastructure from cyber threats.

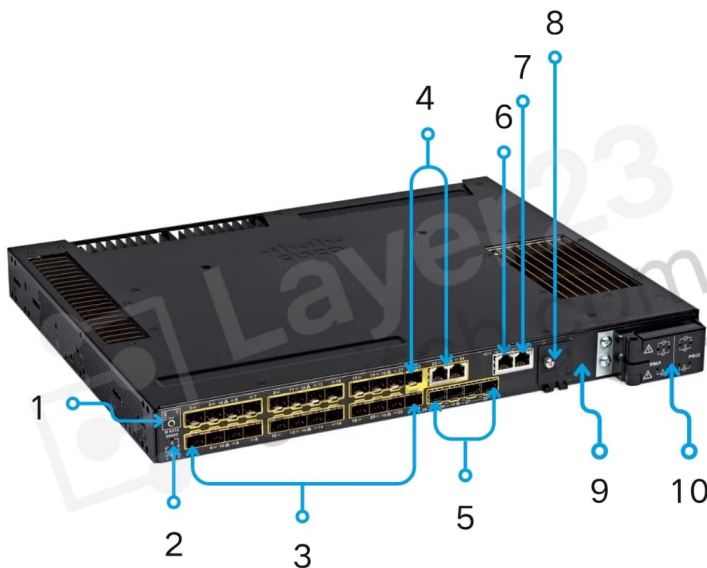
Resilient Industrial Protocols

Supports advanced redundancy protocols such as REP and PROFINET MRP to ensure sub-second network recovery. It also features IEEE 1588v2 PTP for precise timing synchronization required by automation and power utility applications.

IE-9320-24P4X-E Front Panel Overview

The illustrations in this section provide an overview of the variety of components available on the various switch models in this product family. Not all models are illustrated.

1	Display mode button	6	Alarms
2	Express Setup button	7	RJ-45 console port
3	Ethernet RJ-45 downlinks	8	(Beneath cover) Micro-USB console port, USB-A host port, and SD slot
4	Dual-media downlink ports	9	Stacking interface (IE9320 switches only)
5	Ethernet SFP uplinks	10	AC/DC power input



Specification

Parameter	Details	Parameter	Details
Product Model	IE-9320-24P4X-E.	Product Family	Cisco Catalyst IE9300 Rugged Series.
Total Ports	28 ports.	Default Software License	Network Essentials.

Parameter	Details	Parameter	Details
Downlinks	24 ports 10/100/1000M RJ45 PoE+.	Uplinks	4 ports 1/10G SFP+.
PoE Capability	Supports 802.3af/at (PoE+) with Fast PoE and Perpetual PoE features.	Max PoE Budget	Up to 720W (with dual 400W power supplies); 70W with a single 150W power supply.
Hardware Memory (DRAM)	4 GB.	Flash Memory	8 GB onboard flash memory (approximately 2.5 GB is user accessible).
Removable Storage	USB 2.0 (for system images and configurations), optional 16GB SD card.	Console Ports	1 RS-232 (via RJ-45), 1 Micro USB.
Alarm I/O	4 dry-contact alarm inputs, 1 dry-contact Form-C relay alarm output.	Power Inputs	Dual AC/DC power inputs.
Stacking Capability	2 Cisco StackWise ports.	Max Stack Members	Up to 4 stack members supported.
Dimensions (H x W x D)	1.72 x 17.5 x 14.0 in. (150W PS); up to 15.57 in. depth with 400W PS.	Weight	9.7 lb (4.4 kg) chassis only.
Mounting	1RU Rack mount.	System Power Consumption	39W (indicative value depending on factors like power supply efficiency).
Forwarding Rate	76 Gbps (line rate/nonblocking).	Switching Bandwidth	152 Gbps (full-duplex capacity).
Unicast MAC Addresses	16,000.	VLANs Supported	1024.
Queues per Port	8 egress queues.	IGMP Multicast Groups	1000.
IPv4 Indirect Routes	3044.	IPv6 Indirect Routes	1522.
STP Instances	128.	Access Control List (ACL)	1408 entries (including PACL, VACL, RAACL).
SD-Access Fabric Edge	Supported, up to 32 Virtual Networks (VNs).	Maximum SVIs	984.
SGT/DGT Policies	2000.	IPv4 to SGT Binding	10,000.
SXP Sessions	200.	GRE Tunnels	10.
Operating Temperature	-40° to 75°C (-40° to 167°F) in a blower-equipped cabinet; up to 60°C in a sealed cabinet.	Storage Temperature	-40° to 85°C (-40° to 185°F).

Parameter	Details	Parameter	Details
Operating Altitude	Up to 15,000 ft with no temperature derating; up to 40,000 ft derated down to 25°C.	Humidity	5% to 95% relative humidity (noncondensing).
MTBF	489,710 hours.	Warranty	Five-year limited hardware warranty.
IP Rating	IP30 (per EN60529).	Industry Standards	IEEE 1613:2009, IEC 61850-3, EN 50121-4, EN 61326, etc.
Electromagnetic Emissions	FCC 47 CFR Part 15 Class A, EN 55032 Class A, CISPR 32 Class A, EN 300 386, etc.	Electromagnetic Immunity	EN55024/EN5035, CISPR 24/CISPR35, and EN 61000-4 series.
Safety Standards	UL/CSA 60950-1, UL/CUL 62368-1, CB report to IEC 61010-2-201.	Hazardous Locations	UL 121201 (Div 2), CSA 213, ATEX/IECEX EN 60079-0, -7 (Zone 2).
Shock and Vibration	Compliant with IEC 60068-2-6 (Vibration), IEC 60068-2-27/31/32 (Shock), 2-64 (Vibration).	Certifications	IEC/ANSI/ISA-62443-4-1/2, FIPS 140-2, Common Criteria, ODVA, NEMA TS2:2021.

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