

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

IE-9320-24P4S-E

Cisco Network Hardware Specification, Availability and Quote Reference

| | |
|----------------------|---|
| Product Model | IE-9320-24P4S-E |
| Document Type | Product Datasheet |
| Condition | Brand New, Original and Verified |
| Supplier | Layer23-Switch.com |

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IE-9320-24P4S-E Datasheet

The Cisco IE-9320-24P4S-E datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the IE-9320-24P4S-E and integrate it into enterprise or service provider networks with confidence.

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Key Features

Ruggedized for Extreme Environments

Engineered without moving parts (fanless) and designed to withstand extreme temperatures (-40°C to 75°C), high vibration, and shock. It meets stringent industrial compliance standards (IEC 61850-3, IEEE 1613) ensuring maximum uptime in harsh conditions.

High-Density PoE+ Power Delivery

With up to 720W of total PoE budget across 24 ports, it effectively powers dense deployments of high-definition IP cameras, wireless access points, and essential IoT sensors without requiring separate electrical wiring runs.

Seamless IT/OT Convergence

Runs on Cisco IOS XE, the same modern OS powering enterprise campus switches. This allows IT teams to extend intent-based networking, Cisco DNA Center automation, and unified management right down to the industrial edge.

Advanced Resiliency Protocols

Supports robust redundancy protocols such as Resilient Ethernet Protocol (REP), Parallel Redundancy Protocol (PRP), and Media Redundancy Protocol (MRP) to ensure zero-packet-loss failover for mission-critical industrial applications.

Zero-Trust OT Security

Integrates natively with Cisco Identity Services Engine (ISE) and supports features like MACsec encryption and Cisco TrustSec. This prevents unauthorized network access and secures traffic against interception across distributed sites.

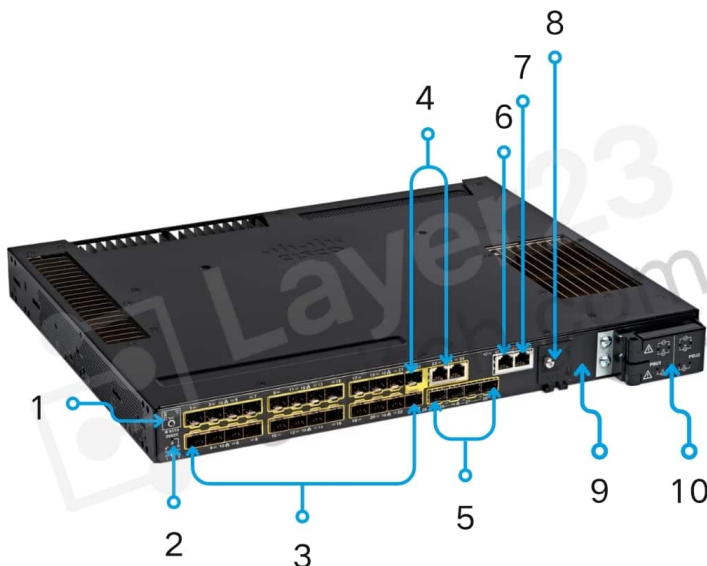
Edge Compute Capabilities

Equipped with built-in edge compute resources, allowing engineers to host containerized applications and scripts locally on the switch. This enables real-time data processing and analytics at the network edge, reducing latency.

IE-9320-24P4S-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-9320-24P4S-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 1000M SFP. |
| PoE Capability | Supports 802.3af/at (PoE+) with Fast PoE and Perpetual PoE features. | Max PoE Budget | Up to 385W (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 | 37W (indicative value depending on factors like power supply efficiency). |
| Forwarding Rate | 64 Gbps (line rate/nonblocking). | Switching Bandwidth | 128 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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