

Data Sheet

Ericsson Cradlepoint SW2400P

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The Ericsson Cradlepoint SW2400P LAN switch, an integral component of a full-stack network solution, is designed to enhance network capacity for small to medium-sized fixed locations. To guarantee optimal connectivity and integration, the device pairs with an Ericsson WWAN router, delivering a holistic networking solution that meets the evolving demands of today's enterprises managed through Ericsson NetCloud. This switch, combined with an E-series branch router, ensures that all network devices remain under a single, unified management system, providing ease of use and deployment. The SW2400P combines performance with reliability, making it the perfect choice for businesses looking to efficiently expand their network infrastructure beyond the LAN capacity of the E-series routers.

Full Stack Solution for Branch

The SW2400P enhances network LAN capacity at fixed sites, addressing the growing demands of ethernet-connected endpoints, such as VoIP phones, video cameras, and laptops. By providing scalable connectivity, the switch ensures simplified operations and improved efficiency to connect devices for branch office applications. By acting as a central control point for the entire network, cloud-managed NetCloud simplifies management of the switches, APs and routers and reduces complexity. The advantage of maintaining a single vendor relationship for procurement, deployment, maintenance, and support cannot be overstated—it simplifies logistics, reduces costs, and ensures consistency across all network components. With its comprehensive support, the SW2400P positions distributed fixed offices to effectively address current and future technological challenges and initiatives.

Key Switch Capabilities

The SW2400P switch is equipped with an impressive set of features tailored for connecting wired office endpoints. With 24 x 1 GbE ports, it provides connectivity for endpoints, such as computers, VoIP phones, and security cameras, ensuring seamless integration and communication. The 4 x SFP+ ports deliver high-speed uplink capabilities, essential for maintaining fast and reliable connections to the core network or data center. Supporting 802.3at PoE with a maximum budget of 370W, the switch can power numerous PoE-enabled devices directly through the network cables, simplifying installation and reducing the need for additional power outlets. Coupled with LLDP-MED support for dynamic power allocation, the switch efficiently manages power distribution, enhancing energy efficiency and ensuring optimal performance of connected devices. With a 128 Gbps switching capacity, the switch ensures smooth data flow across the network, minimizing bottlenecks and maximizing throughput. Additionally, the ability to configure up to 64 VLANs with VLAN tagging enables effective network segmentation, enhancing security and optimizing traffic management across different network segments. These capabilities empower branch locations to efficiently support a diverse range of connected devices and applications, promoting operational excellence and security.

Switch Security

The SW2400P LAN switch is equipped with security features, including 802.1X authentication, to safeguard branch network environments. 802.1X authentication is a network access control protocol that provides an additional layer of security by requiring devices to authenticate themselves before being granted access to the network. This ensures that only authorized users and devices can connect, significantly reducing the risk of unauthorized access and potential security breaches. For customers, this means enhanced protection of sensitive data and critical network resources, as well as compliance with industry standards and regulations. By implementing 802.1X authentication, businesses can maintain a secure and trustworthy network environment, allowing them to focus on their core operations with the assurance of knowing their network infrastructure is well-protected.



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Switch Specifications

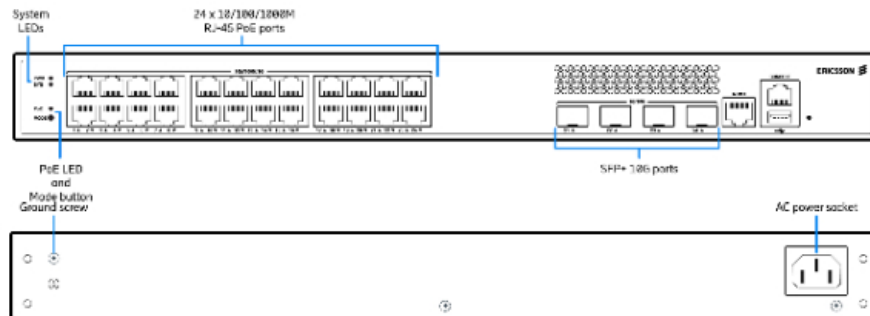
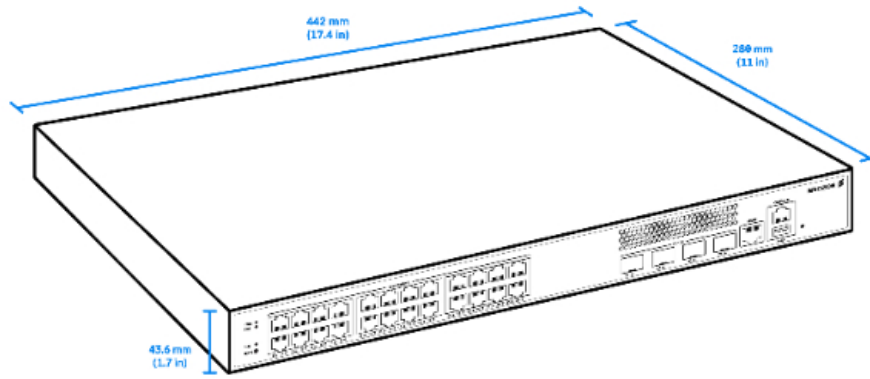
The SW2400P is a multiport switch that is ideal for LAN delivered services and ensuring gigabit-speed connectivity for LAN clients.

| PORTS | |
|--------------------------------------|--|
| GbE RJ45: | 24 |
| 10GbE SFP+: | 4 |
| RJ-45 Console: | 1 |
| USB: | 1 |
| PoE SPECIFICATIONS | |
| Power Budget: | 370 W |
| Auto Disable Exceeding Power Budget: | Yes |
| Dynamic Power Allocation: | Yes |
| ENVIRONMENTAL | |
| Temperature: | <ul style="list-style-type: none"> — Operating: -5 °C to 45 °C (23 °F to 113 °F) — Storage: -40 °C to 70 °C (-40 °F to 158 °F) |
| Humidity: | <ul style="list-style-type: none"> — Operating: 5% to 95% non-condensing — Storage: 5% to 95% non-condensing |
| POWER | |
| Input: | AC 100-240 VAC, 50/60 Hz |
| Consumption: | 450 W |
| PHYSICAL | |
| Size: | 442 mm x 280 mm x 43.6 mm (17.3 in x 11 in x 1.7 in) |
| Weight: | 4.75 kg (10.5 lbs) |
| Supported Transceivers and Cables: | <ul style="list-style-type: none"> — 1000BASE-SX/LX — 10GBASE-SR/LR/RJ45 — 10GBASE-DAC/AOC Cable |
| Model Number: | S1A522A |

| RELIABILITY | |
|--|--|
| Calculated MTBF: | 125,675 hours |
| CERTIFICATIONS | |
| Regulatory: | <ul style="list-style-type: none"> — FCC (U.S.) — IC (Canada) — CE (EU) — RCM (AU/NZ) — UKCA (UK) |
| Safety: | <ul style="list-style-type: none"> — UL/cUL — CB Scheme |
| Environmental Compliance: | <ul style="list-style-type: none"> — WEEE — RoHS — REACH — California Prop 65 |
| Electromagnetic Compatibility: | <ul style="list-style-type: none"> — CE Mark — FCC Class A — CISPR Class A |
| Green Ethernet: | IEEE 802.3az Energy-Efficient Ethernet (EEE) |
| PERFORMANCE | |
| Switching Capacity: | 128 Gbps |
| Forwarding Rate: | 95 Mpp |
| NAND Flash Memory: | 256 MB |
| DRAM: | 1 GB |
| MAC Address Table: | 16 K |
| Jumbo Frames: | 10 K |
| Auto-negotiation, Auto-MDI/MDIX: | Yes |
| Packet Buffer: | 1.5 M |
| Heat Dissipation: | 1536 Btu/h |
| Acoustic Noise: | 50 db |
| COMPATIBILITY | |
| Supported Routers: | <ul style="list-style-type: none"> — E300 — E400 — E3000 |
| Number of Supported Switches per Router: | Up to 2 |

Physical Measurements & Features

SW2400P



Ordering Guide

The Ericsson Cradlepoint SW2400P LAN switch is an accessory with subscription. Activation and use of the SW2400P requires an Ericsson Cradlepoint router that is licensed to an Ericsson NetCloud Service plan.

Ericsson NetCloud Service Plans

| REGION | PACKAGE PLAN | DESCRIPTION | PART NUMBER |
|--|----------------------------|---|---------------------|
| North America: U.S and Canada | LAN Switch — Essentials | NetCloud LAN Switch Essentials Plan, and SW2400P 24 - 1GLE PoE switch, North America | LS0x-SW2400P- GN |
| Europe: European Union | LAN Switch — Essentials | NetCloud LAN Switch Essentials Plan, and SW2400P 24 - 1GLE PoE switch, EU | LS0x-SW2400P- GE |
| Europe: United Kingdom | LAN Switch — Essentials | NetCloud LAN Switch Essentials Plan, and SW2400P 24 - 1GLE PoE switch, UK | LS0x-SW2400P- GU |
| Asia Pacific: Australia and New Zealand | LAN Switch — Essentials | NetCloud LAN Switch Essentials Plan, and SW2400P 24 - 1GLE PoE switch, AP & NZ | LS0x-SW2400P- GP |
| All Regions: | Renewal — LAN Switch | NetCloud LAN Switch Essentials Plan Renewal | LS0x-NCESS-R |

x = 1, 3, or 5 years

Support & Warranty

The Ericsson Cradlepoint SW2400P LAN switch is only sold as a component of Ericsson NetCloud Essentials packages.

All Ericsson Cradlepoint hardware products are covered by a limited lifetime warranty for as long as they have a subscription license to an active Ericsson NetCloud Service plan, which includes:

- Ericsson Enterprise Wireless Solutions Global Service & Support for the full subscription term.
- Hardware limited lifetime warranty for as long as they have a subscription license to an active Ericsson NetCloud Service plan.

More Information

[Learn more at **cradlepoint.com/sw2400p**](https://www.cradlepoint.com/sw2400p)