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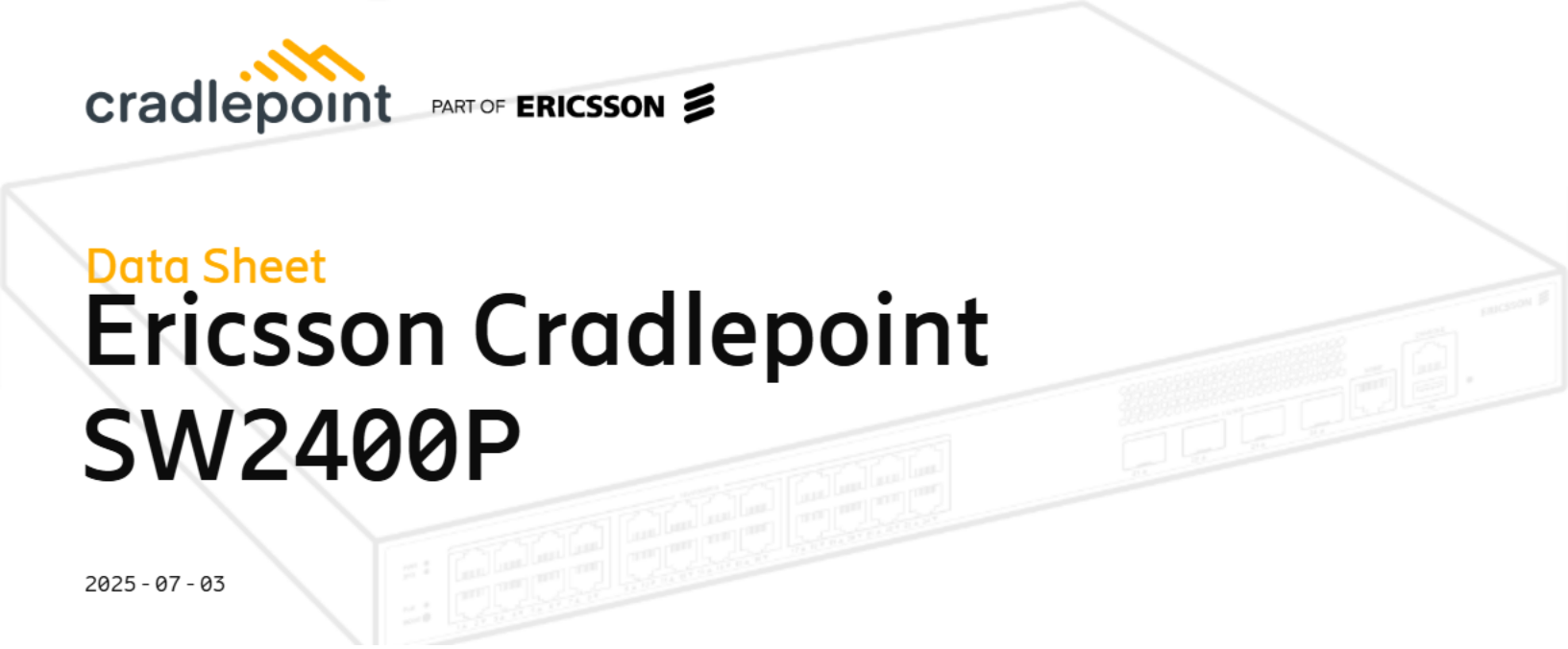
Data Sheet

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.

Product Page

NetCloud Service

Quick Start Guide

Switch Specifications

The SW2400P is a multiport switch that is ideal for LAN delivered services, ensuring gigabit-speed connectivity for LAN clients, while seamlessly in.

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:	— Operating: -5 °C to 45 °C (23 °F to 113 °F) — Storage: -40 °C to 70 °C (-40 °F to 158 °F)
Humidity:	— 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:	— 1000BASE-SX/LX — 10GBASE-SR/LR/RJ45 — 10GBASE-DAC/AOC Cable
RELIABILITY	

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Calculated MTBF:	125,675 hours
CERTIFICATIONS	
Regulatory:	— FCC (U.S.) — IC (Canada) — CE (EU) — RCM (AU/NZ) — UKCA (UK)
Safety:	— UL/cUL — CB Scheme
Environmental Compliance:	— WEEE — RoHS — REACH — California Prop 65
Electromagnetic Compatibility:	— 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:	— E300 — E400 — E3000
Number of Supported Switches per Router:	Up to 2

Physical Measurements & Features

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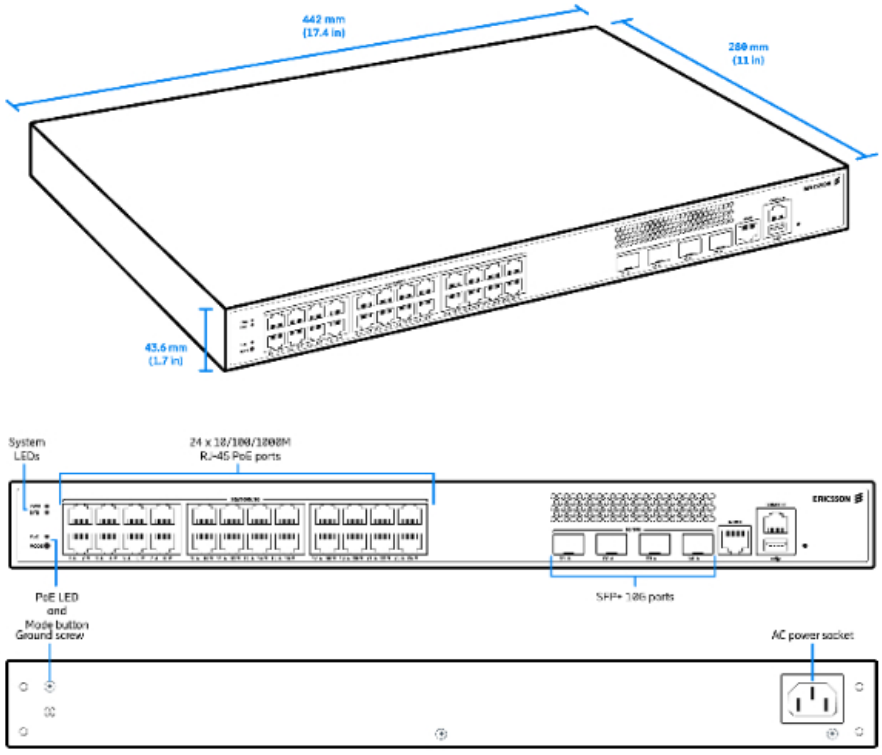
A2400



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
	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.

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— 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

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