Insight
Technology

CBS250-16P-2G-EU DATSHEET

Overview

The Cisco CBS250-16P-2G-EU switch is a 16 Gigabit Ethernet PoE+ ports with a 120W power budget, perfect for powering IP phones, wireless access points, and cameras via a single cable. It includes 2 Gigabit SFP uplinks for flexible fiber or copper network connections. The switch supports Layer 2 switching and Layer 3 static routing, helping segment and route traffic between VLANs efficiently. Advanced security features like 802.1X port authentication, ACLs, and DoS attack prevention ensure network protection. QoS prioritizes voice and video traffic for optimal communication. Its energy-efficient, fanless design reduces power consumption and noise. Management is simplified through the Cisco Business Dashboard, enabling easy deployment and monitoring in small to medium businesses.

QUICK SPEC

FIGURE 1: APPEARANCE OF CBS250-16P-2G-EU

TABLE 1: Quick Specs

SKU	CBS250-16P-2G-EU
Backplane speed	36 Gbps
Throughput	26.78 million packets per second (Mpps)
Ports	16 Gigabit Ethernet + 2 SFP
Dimensions (W x H x D)	268 x 297 x 44 mm (10.56 x 11.69 x 1.73 in)

Product Details
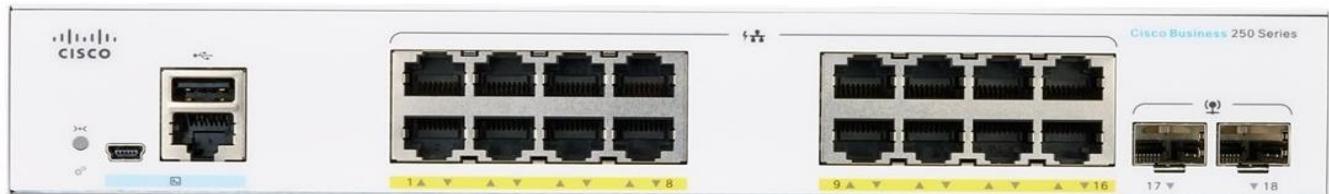
FIGURE 2: FRONT PANEL OF CBS250-16P-2G-EU

FIGURE 3: BACK PANEL OF CBS250-16P-2G-EU

CBS250-16P-2G-EU Switch provides these features:

1.16 Gigabit Ethernet PoE+ Ports with 120W Power Budget

This switch offers 16 high-speed RJ-45 ports that provide up to 30W of Power over Ethernet Plus (PoE+), ideal for powering IP phones, wireless access points, and surveillance cameras via a single Ethernet cable, simplifying installation and reducing costs.

2.Uplink Flexibility with 2 Gigabit SFP Ports

In this switch the two dedicated SFP fiber ports allow for flexible network expansion and better integration with fiber networks, supporting longer distances and higher bandwidth uplinks.

3.Layer 2 and Layer 3 Static Routing

The switch supports advanced Layer 2 switching and Layer 3 static routing, which enables segmentation of the network into VLANs and inter-VLAN routing without degrading performance, leading to better network traffic management and efficiency.

4.Robust Security Features

This switch implements IEEE 802.1X port-based authentication to enforce access control, Denial-of-Service (DoS) attack prevention to maintain uptime during attacks, and comprehensive Access Control Lists (ACLs) to protect sensitive network segments from unauthorized access.

5.Quality of Service (QoS)

This switch prioritizes critical traffic such as voice and video using QoS policies, ensuring smooth and reliable communication in unified communication environments.

6.Energy Efficiency and Quiet Operation

It incorporates Energy Efficient Ethernet (IEEE 802.3az) to reduce power consumption during idle times and features a fanless design for silent operation, making it suitable for noise-sensitive environments.

7.Simplified Management

In this switch management is easy through the Cisco Business Dashboard and embedded probe that allows zero-touch deployment, proactive network monitoring, and configuration via intuitive web interfaces or cloud management.

8.Compact and Rugged Design

This swicth has compact rack-mountable chassis measuring 268 x 297 x 44 mm fits well in small to medium office setups while maintaining enterprise-grade reliability.

SPECIFICATION

CBS250-16P-2G-EU SPECIFICATION	
Model	CBS250-16P-2G-EU
Weight	2.38 kg (5.25 lb)
Dimensions	268 x 297 x 44 mm (10.56 x 11.69 x 1.73 in)
Capacity in millions of packets per second (mpps) (64-byte packets)	26.78
Switching capacity in gigabits per second (Gbps)	36.0

Power dedicated to PoE	120W
Number of ports that support PoE	16
System power consumption	110V=24.51W 220V=25.01W
Power consumption (with PoE)	110V=156.4W 220V=154.5W
Heat dissipation (BTU/hr)	536.05
Total system ports	18 Gigabit Ethernet
RJ-45 ports	16 Gigabit Ethernet
Combo ports (RJ-45 + SFP)	2 SFP
Packet buffer	1.5 MB
Operating temperature	23° to 122°F (-5° to 50°C)
Storage temperature	-13° to 158°F (-25° to 70°C)
Operating humidity	10% to 90%, relative, noncondensing
Storage humidity	10% to 90%, relative, noncondensing
Fan (number)	Fanless
Acoustic noise	N/A
MTBF at 25°C (hours)	706,983
Package contents	Power cord (power adapter for 8-port SKUs) Mounting kit Quick Start Guide
Certification	UL (UL 62368), CSA (CSA 22.2), CE mark, FCC Part 15 (CFR 47) Class A

Why Insight Infosys.com

We design and deploy full-stack ICT architectures — from edge to core, on-prem to cloud with a focus on networking, virtualization, cloud services, and cybersecurity services.

Since 2010, we have built partnerships with global leaders like:

Cisco - Juniper - MikroTik - Cambium - Fortinet - SonicWall - Palo Alto - Sophos - Aruba - Ubiquiti - Mimosa

What Sets Us Apart:

1500 + **Completed** **Projects**	**250 +** **Trusted** **Clients**	**Partners** **With Global Leading** **Tech Vendors**	**Competitive** **Affordable** **Pricing**	**24/7** **Tech** **Support**

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