



## CBS250-8P-E-2G-EU DATASHEET

### Overview

The Cisco CBS250-8P-E-2G-EU is an 8-port Gigabit Ethernet PoE+ managed switch with a 67W total power budget and 2 Gigabit copper/SFP combo uplink ports. It offers a backplane speed of 20 Gbps and a forwarding rate of 14.88 Mpps, delivering reliable network performance for small businesses. The switch supports Layer 2 management with Layer 3 static routing for VLAN segmentation and inter-VLAN communication. It includes advanced security features such as IEEE 802.1X port authentication, Access Control Lists (ACLs), and DoS attack prevention. Quality of Service (QoS) ensures prioritization of voice and video traffic. The fanless, energy-efficient design supports IEEE 802.3az Energy Efficient Ethernet. Management is simplified through Cisco Business Dashboard and web interfaces.

### QUICK SPEC

FIGURE 1: APPEARANCE OF CBS250-8P-E-2G-EU



TABLE 1: Quick Specs

SKU	CBS250-8P-E-2G-EU
Backplane speed	20 Gbps
Throughput	14.88 million packets per second (Mpps)
Ports	8 Gigabit Ethernet PoE+ ports with 2 Gigabit copper/SFP combo uplink ports
Dimensions (W x H x D)	268 x 185 x 44 mm (10.56 x 7.28 x 1.73 in)



## Product Details

FIGURE 2: FRONT PANEL OF CBS250-8P-E-2G-EU



FIGURE 3: BACK PANEL OF CBS250-8P-E-2G-EU



CBS250-8P-E-2G-EU Switch provides these features:

### 1. Layer 2 and Layer 3 Static Routing

Layer 2 switches forward data based on MAC addresses on the same network segment. Layer 3 switches add routing capabilities, forwarding packets based on IP addresses to route traffic between different VLANs or networks. This allows efficient segmentation and traffic management inside the network.

### 2. 8 Gigabit Ethernet PoE+ Ports with 67W Power Budget

These ports provide up to 30 watts of power per port to devices like IP phones, wireless access points, and cameras over the Ethernet cable, reducing the need for separate power supplies.

### 3. 2 Gigabit Copper/SFP Combo Uplink Ports

These dedicated uplinks support flexible connectivity to fiber or copper networks for aggregation or connecting to other switches.



#### 4. Security Features

The switch supports IEEE 802.1X for port-based authentication, Access Control Lists (ACLs) to define allowed traffic, and Denial-of-Service (DoS) attack protection to safeguard network availability and data integrity.

#### 5. Quality of Service (QoS)

It prioritizes critical traffic such as voice and video to maintain quality and reduce latency in unified communications.

#### 6. Energy Efficient Design

It Supports IEEE 802.3az Energy Efficient Ethernet standard, reduces power consumption when ports are idle, and has a fanless design for silent operation.

#### 7. Management and Deployment

It Integrates with Cisco Business Dashboard for easy zero-touch deployment, configuration, monitoring, and troubleshooting with web-based or mobile management.

#### 8. Compact form factor

The 268 x 185 x 44 mm rack-mountable design fits small office spaces conveniently.

### SPECIFICATION

CBS250-8P-E-2G-EU SPECIFICATION	
Model	CBS250-8P-E-2G-EU
Weight	1.53 kg (3.37 lb)
Dimensions	268 x 185 x 44 mm (10.56 x 7.28 x 1.73 in)
Capacity in millions of packets per second (mpps) (64-byte packets)	14.88
Switching capacity in gigabits per second (Gbps)	20.0
Power dedicated to PoE	60W
Number of ports that support PoE	8
System power consumption	110V=13.84W 220V=14.31W
Power consumption (with PoE)	110V=80.79W 220V=80.86W



Heat dissipation (BTU/hr)	275.91
Total system ports	10 Gigabit Ethernet
RJ-45 ports	8 Gigabit Ethernet
Combo ports (RJ-45 + SFP)	2 Gigabit Ethernet combo
Buttons	Reset button
Cabling type	Unshielded Twisted Pair (UTP) Category 5e or better for 1000BASE-T
LEDs	System, Link/Act, PoE, Speed
Flash	256 MB
CPU	800 MHz ARM
DRAM	512 MB
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)	1,706,649
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



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