CBS350-8T-E-2G Datasheet

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Overview

The Cisco Business 350 Series Switches, part of the Cisco Business line of network solutions, is a portfolio of affordable managed switches that provides a critical building block for any small office network. Intuitive dashboard simplifies network setup, and advanced features accelerate digital transformation, while pervasive security protects business critical transactions. The Cisco Business 350 Series Switches provide the ideal combination of affordability and capabilities for small office and helps you create a more efficient, better-connected workforce.

Quick Specs

Table 1 shows the Quick Specs.

Product Code	**CBS350-8T-E-2G**
Capacity in Millions of Packets per Second (mpps) (64-byte packets)	14.88
Switching Capacity in Gigabits per Second (Gbps)	20.0
Total System Ports	10 x Gigabit Ethernet
RJ-45 Ports	8 x Gigabit Ethernet
Combo Ports (RJ45 + Small form-factor pluggable [SFP])	2 x Gigabit Ethernet combo
Packet Buffer	1.5 MB

Product Details

-High Reliability and Resiliency

In a growing business where availability 24 hours a day, 7 days a week is critical, you need to ensure business continuity and that employees can always access the data and resources they need. The Cisco Business 350 Series Switches support dual images, allowing you to perform software upgrades without having to take the network offline or worry about the network going down during the upgrade.

-IPv6 Support

As the IP address scheme evolves to accommodate a growing number of network devices, the Cisco Business 350 Series Switches can support the transition to the next generation of networking. These switches continue to support previous-generation IPv4, allowing you to evolve to the new IPv6 standard at your own pace and helping ensure that your current network will continue to support your business applications in the future.

-Advanced Layer 3 Traffic Management

The Cisco Business 350 Series Switches enable a more advanced set of traffic management capabilities to help growing businesses organize their networks more effectively and efficiently. For example, the switches provide dynamic Layer 3 routing, allowing you to segment your network into workgroups and communicate across VLANs without degrading application performance.

-Compact Design

The sleek and compact design for the Cisco Business 350 Series Switches provide additional deployment flexibility, including outside wiring closet installation such as retail stores, open plan offices, and classrooms without disturbing the environment.

Supported Modules

Table 2 shows the Supported SFP/SFP+ modules of Cisco Business 350 Series Managed Switches.

SKU	Media	Speed	Maximum distance
MGBSX1	Multimode fiber	1000 Mbps	500 m
MGBLX1	Single-mode fiber	1000 Mbps	10 km
MGBLH1	Single-mode fiber	1000 Mbps	40 km
MGBT1	UTP cat 5e	1000 Mbps	100 m

GLC-SX-MMD	Multimode fiber	1000 Mbps	550 m
GLC-LH-SMD	Single-mode fiber	1000 Mbps	10 km
GLC-BX-U	Single-mode fiber	1000 Mbps	10 km
GLC-BX-D	Single-mode fiber	1000 Mbps	10 km
GLC-TE	UTP cat 5e	1000 Mbps	100 m
SFP-H10GB-CU1M	Copper coax	10 Gig	1 m
SFP-H10GB-CU3M	Copper coax	10 Gig	3 m
SFP-H10GB-CU5M	Copper coax	10 Gig	5 m
SFP-10G-SR	Multimode fiber	10 Gig	26 m - 400 m
SFP-10G-LR	Single-mode fiber	10 Gig	10 km
SFP-10G-SR-S	Multimode fiber	10 Gig	26 m - 400 m
SFP-10G-LR-S	Single-mode fiber	10 Gig	10 km

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Do you have any question about the**CBS350-8T-E-2G** ?

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Specification

CBS350-8T-E-2G Specification	
Feature	**Description**
Capacity in Millions of Packets per Second (mpps) (64-byte packets)	14.88
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Combo Ports (RJ45 + Small form-factor pluggable [SFP])	2 x Gigabit Ethernet combo
Packet Buffer	1.5 MB
Unit dimensions (W x D x H)	268 x 185 x 44 mm (10.56 x 7.28 x 1.73 in)
Layer 3	
IPv4 routing	Wirespeed routing of IPv4 packets Up to 990 static routes and up to 128 IP interfaces
IPv6 routing	Wirespeed routing of IPv6 packets
Layer 3 Interface	Configuration of Layer 3 interface on physical port, Link Aggregation (LAG), VLAN interface, or loopback interface
Classless Interdomain Routing (CIDR)	Support for classless interdomain routing
RIP v2	Support for Routing Information Protocol version 2 for dynamic routing

Policy-Based Routing (PBR)	Flexible routing control to direct packets to different next hop based on IPv4 or IPv6 Access Control List (ACL)
DHCP Server	Switch functions as an IPv4 DHCP server serving IP addresses for multiple DHCP pools/scopes Support for DHCP options
DHCP relay at Layer 3	Relay of DHCP traffic across IP domains
User Datagram Protocol (UDP) relay	Relay of broadcast information across Layer 3 domains for application discovery or relaying of Bootstrap Protocol (BOOTP)/DHCP packets
Quality of Service	
Priority levels	8 hardware queues
Scheduling	Strict priority and Weighted Round-Robin (WRR)
Rate limiting	Ingress policer; egress shaping and rate control; per VLAN, per port, and flow based; 2R3C policing
Congestion avoidance	A TCP congestion avoidance algorithm is required to minimize and prevent global TCP loss synchronization
iSCSI traffic optimization	A mechanism for giving priority to iSCSI traffic over other types of traffic
Green (power efficiency)	
Energy Detect	Automatically turns power off on RJ-45 port when detecting link down. Active mode is resumed without loss of any packets when the switch detects the link up
Cable length detection	Adjusts the signal strength based on the cable length. Reduces the power consumption for shorter cables.
EEE Compliant (802.3az)	Supports IEEE 802.3az on all copper Gigabit Ethernet ports
Disable port LEDs	LEDs can be manually turned off to save on energy
Time-based port operation	Link up or down based on user-defined schedule (when the port is administratively up)
Time-based PoE	PoE power can be on or off based on user-defined schedule to save energy
General	
Jumbo frames	Frame sizes up to 9K bytes. The default MTU is 2K bytes
MAC table	16K addresses
Hardware	
USB slot	USB Type-A slot on the front panel of the switch for easy file and image management
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
Environmental	
Storage temperature	-13° to 158°F (-25° to 70°C)
Operating humidity	10% to 90%, relative, noncondensing
Storage humidity	10% to 90%, relative, noncondensing
Warranty	Limited lifetime with next business day advance replacement (where available)

Package Contents
• Cisco Business 350 Series Managed Switch • Power Cord (Power adapter for select 8-port and 16-port SKUs) • Mounting Kit • Quick Start Guide
Minimum Requirements
• Web browser: Chrome, Firefox, Edge, Safari • Category 5e Ethernet network cable • TCP/IP, network adapter, and network operating system (such as Microsoft Windows, Linux, or Mac OS X) installed

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