



# Cisco Small Business SG300-28PP-K9-EU network switch (SG300-28PP-K9-EU)



## Switches that Provide the Ideal Combination of Features and Affordability

To stay ahead in a competitive marketplace, small businesses need to make every dollar count. That means getting the most value from your technology investments, but it also means making sure that employees have fast, reliable access to the business tools and information they need. Every minute an employee waits for an unresponsive application - and every minute your network is down - has an impact on your bottom line. The importance of maintaining a strong and dependable business network only grows as your business adds more employees, applications, and network complexity.

When your business needs advanced security and features but value is still a top consideration, you're ready for the new generation of Cisco Small Business managed switches: the Cisco 300 Series.

## Main specifications:

### Management features

Switch type:	Managed network switch
Switch layer:	L2
Quality of Service (QoS) support:	Y
Multicast support:	Y
Web-based management:	Y

### Ports & interfaces

Basic switching RJ-45 Ethernet ports quantity:	26
Basic switching RJ-45 Ethernet ports type:	Gigabit Ethernet (10/100/1000)
Combo SFP ports quantity:	2
Copper ethernet cabling technology:	1000BASE-T,100BASE-TX,10BASE-T
Gigabit Ethernet (copper) ports quantity:	26
ExpressCard slot:	N

### Networking

Networking standards:	IEEE 802.1D,IEEE 802.1p,IEEE 802.1Q,IEEE 802.1s,IEEE 802.1w,IEEE 802.1x,IEEE 802.3,IEEE 802.3ab,IEEE 802.3ad,IEEE 802.3af,IEEE 802.3at,IEEE 802.3u,IEEE 802.3x,IEEE 802.3z
10G support:	N
Head-of-line (HOL) blocking:	Y
Flow control support:	Y
Port mirroring:	Y
Link aggregation:	Y
Broadcast storm control:	Y
Rate limiting:	Y
DHCP client:	Y
DHCP server:	Y
Spanning tree protocol:	Y
VLAN support:	Y

### Data transmission

MAC address table: 16384 entries  
Switching capacity: 56 Gbit/s  
Throughput: 41.67 Mpps  
Number of VLANs: 4096  
Number of queues: 4  
Jumbo frames support: Y

#### Security

Security algorithms: 802.1x RADIUS,HTTPS,SSH,SSL/TLS  
MAC address filtering: Y  
Access Control List (ACL): Y  
SSH/SSL support: Y

#### Protocols

Management protocols: SNMP V1/V2c/V3, HTTP/HTTPS  
Supported network protocols: IPv4, IPv6

#### Design

Colour of product: Black  
LED indicators: Y  
Ventilation fan(s): 3  
Case design: Freestanding  
Certification: UL (UL 60950), CSA (CSA 22.2), CE mark, FCC Part 15 (CFR 47) Class A

#### Performance

Flash memory: 16 MB  
Noise level: 40.4 dB  
Firmware upgradeable: Y  
Packet buffer memory: 1 MB  
Mean time between failures (MTBF): 310755 h

#### Power

Power consumption (typical): 33 W  
AC input voltage: 100-240 V  
AC input frequency: 50/60 Hz  
Number of power supply units: 1

#### Power over Ethernet (PoE)

Power over Ethernet (PoE): Y  
Power over Ethernet plus (PoE+) ports quantity: 24  
Total Power over Ethernet (PoE) budget: 180 W

#### System requirements

Minimum system requirements: Mozilla Firefox v8, Microsoft Internet Explorer v7, Safari, Chrome

#### Operational conditions

Storage temperature (T-T): -20 - 70 °C  
Operating relative humidity (H-H): 10 - 90 %  
Storage relative humidity (H-H): 10 - 90 % Heat dissipation:  
740.43 BTU/h

#### Weight & dimensions

Width: 440 mm  
Depth: 257 mm  
Height: 44.45 mm Weight: 3950 g

#### Packaging content

Cables included: Serial  
Quick start guide: Y