

Expanding Wired Connectivity for SOHO Networks

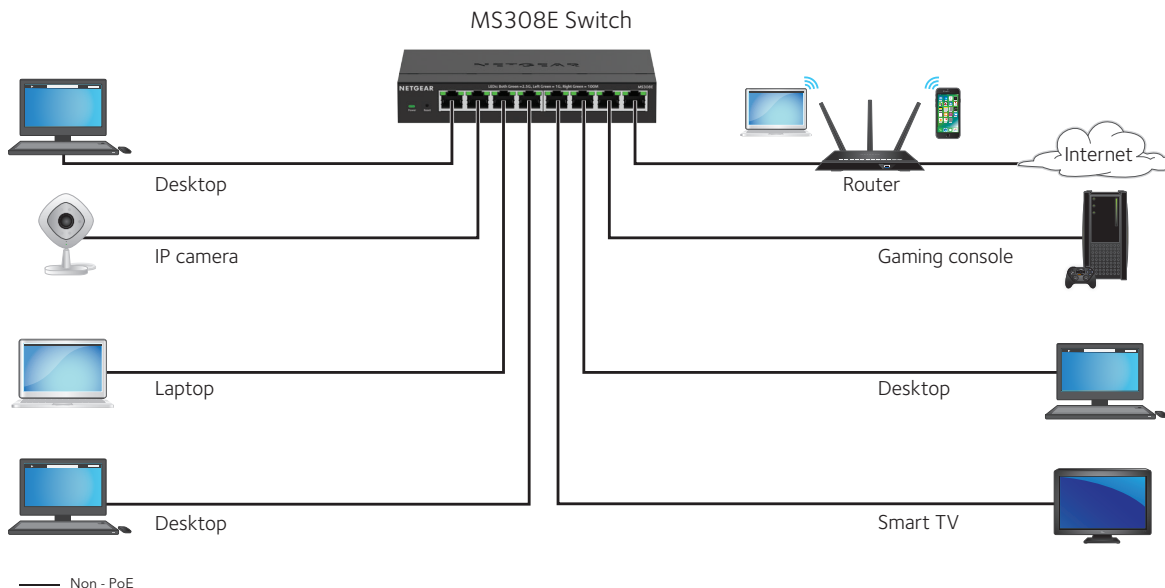
NETGEAR is expanding its portfolio of next-generation 2.5G Multi-Gigabit Ethernet Plus Switches with the introduction of the new MS305E and MS308E. These switches come with 5 or 8 2.5G Multi-Gig ports in a durable metal case and are designed to seamlessly integrate into any business environment.

Featuring fundamental network capabilities such as network monitoring, traffic prioritization, VLANs, QoS, IGMP Snooping, and an intuitive web-based GUI, these switches provide an adaptable network solution with effortless management. Plus Switches are the perfect upgrade from plug-and-play Unmanaged Switches, delivering essential networking features at an affordable price.

Highlights

- Enable network configuration and management at the price point of Unmanaged Switches
- Simple, yet useful network set-up on top of plug-and-play connectivity
- Business-friendly and easy-to-use web browser-based management GUI
- VLAN support for traffic segmentation
- Quality of Service (QoS) for traffic prioritization
- Auto "denial-of-service" (DoS) prevention
- Troubleshoot connection issues via cable test
- Loop detection and broadcast storm controls
- Rate limiting for better bandwidth allocation
- Port mirroring for network monitoring
- Jumbo frame support
- Fanless, silent operation with desktop and wall-mount options

Small Office/Home Office Network Diagram



MS300 Series Comparison

Features	MS305E	MS308E
1G/2.5G Ethernet RJ-45 copper ports (100M/1G/2.5G) - 1000BASE-T	5	8
Enclosure	Metal	Metal
Performance Specification		
Max MAC entries	4K	4K
Buffer Size	1MB	1MB
Energy Efficient Ethernet (IEEE 802.3az) compliant	Yes	Yes
Forwarding modes	Store-and-forward	
Bandwidth	25Gbps	40Gbps
Priority queuing	Weighted Round Robin (WRR)	
Jumbo frame support	Up to 12K packet size	
Acoustic noise level @ 25° C (dBA) (ANSI-S10.12)	0	0
Mean Time Between Failures (MTBF) @ 25° C	4,273,003 hrs (487 yrs)	3,309,911 hrs
L2 Services - VLANs		
VLAN (# Supported)	64	64
IEEE 802.1Q VLAN Tagging	Yes	Yes
Port-based VLANs	Yes	Yes
L2 Services - Availability		
Link Aggregation/Port Trunking	Yes	Yes
Number of Static Manual LAGs and # of members	2 LAG with max 4 members in each LAG	4 LAG with max 4 members in each LAG
L2 Services - Multicast Filtering		
IGMP snooping (v1, v2, and v3)	Yes	Yes
Block unknown multicast	Yes	Yes
Supported Multicast groups	256	256
L3 Services - DHCP		
DHCP client	Yes	Yes
Quality of Service		
Rate Limiting	Yes	Yes
DSCP	Yes	Yes
IEEE 802.1p COS	Yes	Yes
Port-based VLAN	Yes	Yes
TOS	Yes	Yes
Strict Priority queue technology	Yes	Yes

MS300 Series Comparison

IEEE Network Protocols	MS305E	MS308E
	IEEE 802.3 Ethernet IEEE 802.3ab 1000BASE-T IEEE 802.3u 100BASE-T IEEE 802.3ab 1000BASE-T IEEE 802.1p Class of Service IEEE 802.1Q VLAN Tagging IEEE 802.3x Full-duplex Flow Control IEEE 802.3bz 2.5GBASE-T IEEE 802.3az Energy Efficient Ethernet (deactivated by default) IEEE 802.3ad Dynamic Link Aggregation (LACP)	
Management		
System Password	Yes	Yes
Web browserbased management GUI	Yes	Yes
PC Utility	Yes	Yes
Port Mirroring	Yes	Yes
Max number of source ports allowed (many-to-one port mirroring)	4	7
Many-to-one Port Mirroring	Yes	Yes
Cable Test Utility	Yes	Yes
FW Upgrade thru HTTP	Yes	Yes
FW Upgrade Thru Plus Utility (TFTP)	No	No
Config download through Web GUI	Yes	Yes
Config upload to switch	Yes	Yes
LEDs		
Per port	Speed, Link, Activity	
Per device	Power, system	
Power Consumption		
DC Input/Power In	External (12V/1.5A)	
Power Consumption (Maximum)	5.6W	8.1W
Heat Dissipation (Maximum and Standby) (BTU/Hr)	Max: 19.18 BTU/hr / Min: 7.19 BTU/hr	Max: 27.73 BTU/hr / Min: 8.27 BTU/hr
Physical Specifications		
Dimensions (W x D x H)	158 x 101 x 27 mm (6.2 x 4 x 1.1 in)	158 x 101 x 27 mm (6.2 x 4 x 1.1 in)
Weight	0.45kg (1lb)	0.43kg (0.9lb)

MS300 Series Comparison

Environmental Specifications	MS305E	MS308E
Operating		
Operating temperature	32°F to 104°F (0° to 40°C)	32°F to 104°F (0° to 40°C)
Humidity (relative)	95% maximum relative humidity (RH), non-condensing	
Altitude	10,000 ft (3,000 m) maximum	
Storage		
Storage temperature	- 4° to 158°F (-20° to 70°C)	
Storage Humidity	95% maximum relative humidity	
Altitude	10,000 ft (3,000 m) maximum	
Electromagnetic Emissions and Immunity		
Certifications	CE Class A (EN55032+EN55035) UKCA Class A FCC Part 15 Class A ISED Class A VCCI Class A RCM KC BSMI	
Warranty and Support		
Warranty	5-year warranty	
Technical Support (online, phone)	90 days free from date of purchase*	
ProSUPPORT OnCall 24x7 Service Plans	Category 1 PMBOS11-10000S PMBOS31-10000S PMBOS51-10000S	Category 1 PMBOS11-10000S PMBOS31-10000S PMBOS51-10000S
Package Contents		
	NETGEAR Plus Switch Power adapter (power cable varies by region) Rubber feet Installation guide	
Ordering Info		

Ordering Information

MS305E

MS305E-100AUS	Australia and New Zealand
MS305E-100EUS	Europe including United Kingdom
MS305E-100JPS	Japan
MS305E-100KOS	South Korea
MS305E-100NAS	North America
MS305E-100PES	Other Asia
MS305E-100UKS	Hong Kong, Singapore, Middle East
MS305E-100TWS	Taiwan
MS305E-100PRS	China

MS308E

MS308E-100AUS	Australia and New Zealand
MS308E-100EUS	Europe including United Kingdom
MS308E-100JPS	Japan
MS308E-100KOS	South Korea
MS308E-100NAS	North America
MS308E-100PES	Other Asia
MS308E-100UKS	Hong Kong, Singapore, Middle East
MS308E-100TWS	Taiwan
MS308E-100PRS	China

*This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and covers unmodified hardware, fans and internal power supplies –not software or external power supplies, and requires product registration at <https://www.netgear.com/business/registration> within 90 days of purchase; see <https://www.netgear.com/about/warranty> for details. Intended for indoor use only.

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