NETGEAR®

900 Series

Connect your Network with Style

Traditional switches are not designed to be installed in a living room, bedroom or office desk so usually we hide them because the design is not user-friendly -- they have flashing LED lights and a bunch of cables that we don't want to see.

NETGEAR tackles this problem head-on with the industry's first consumer-friendly switch with integrated cable management. The 900 Series switches are the first switch that you want to display!

Thanks to the stylish design and the built-in cable organizer, you will keep your office and home neat and tidy. Moreover the LED ON/OFF button will keep your environment quiet so no light will disturb your movie, work or sleep.

Key Highlights

Integrated Cable Management
Keeps your office and home neat and tidy, with organized cables.

Silent and Invisible
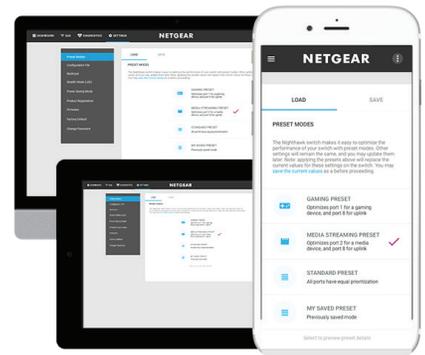Innovative, fanless design with an on/off LED light button.

USB charging ports *
Conveniently placed to allow you to charge your smartphone and tablet

Easy to use web interface*
Intuitive and simple, with rich and advanced functions.

* Only available on the GS908E version

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Hardware at a Glance

Model Name	Form-Factor	Gigabit Copper Ports	Power & Port LED	LEDs	USB Charging ports	Auto-Diagnostics LED	Fans
GS908	Desktop/ Wall-Mount	8	Yes	Power, Port Link/Speed/Activity	Not applicable	No	0 (silent)
GS908E	Desktop/ Wall-Mount	8	Yes	Power, Port Link/Speed/Activity	2-port 10W maximum per port 20W maximum total	Yes	0 (silent)

GS908 front

- Power LED

GS908 rear

- 8 x 1G RJ-45 Ports
- External Power Adapter
- LED ON/OFF switch
- Power OFF/ON switch

GS908E front

- Power/Auto-Diagnostics LED

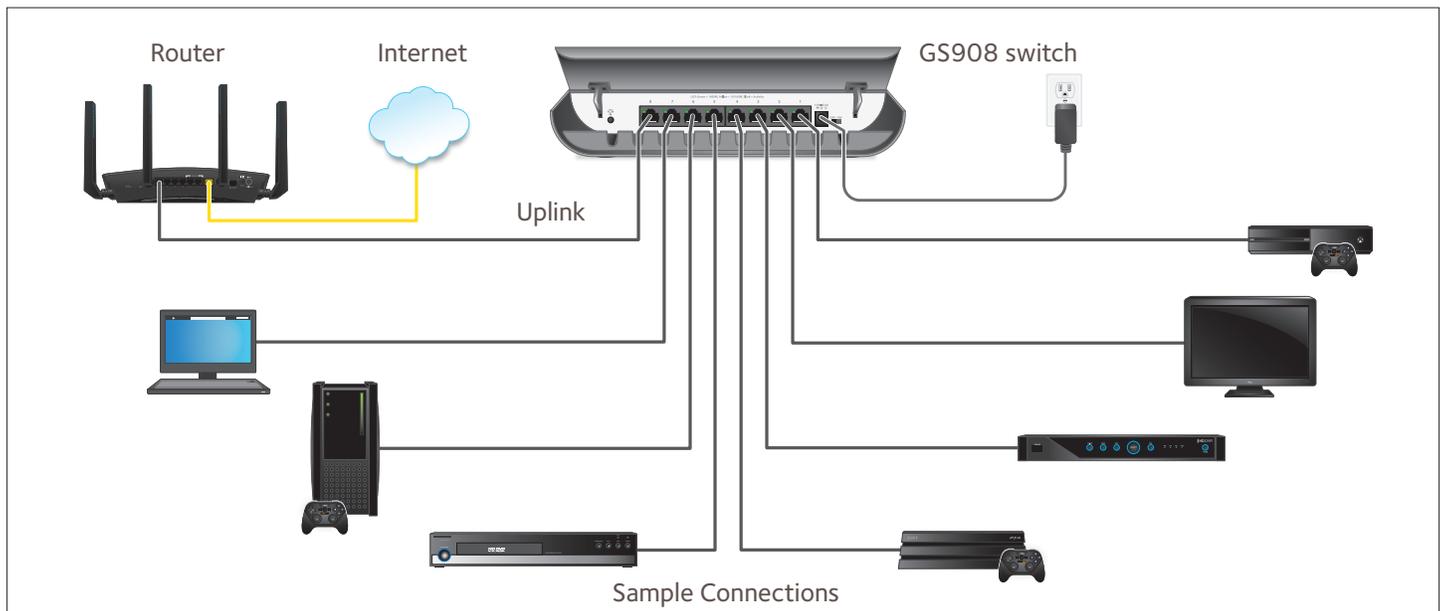### GS908E rear

- 8 x 1G RJ-45 Ports
- External Power Adapter
- LED ON/OFF switch
- 2x USB ports

Software at a Glance

Model Name	Management	VLANs	IGMP	IEEE (802.3az) Auto-EEE	QoS	Port Trunking	Jumbo Frame Support
GS908	Unmanaged	No	N/A	Yes	N/A	N/A	Yes
GS908E	Web Managed	Port-Based/ 802.1Q	IGMP Multicast	Yes	Port-Based/ IEEE 802.1p	Yes	Yes

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Example Application

GS908 in a Home Environment

Router   Internet   GS908 switch

Uplink

Sample Connections

Why the 900 Series switches are ideal for Home and Business Users

Plug-and-play: Automatic connectivity to your router or modem of 7 additional wired connections. No need for an IT expert!

Sleek and Stylish Design: The round shape and slim design will match any decor, and our lightweight housing allows the switch to be mounted anywhere

Integrated Cable Management: Clean up your network with style -- No more messy cables!! Our integrated cable management will keep your office and home neat & tidy with no more tangled cables causing an unsightly mess.

Silent and invisible: Don't allow a blinking light to disturb your movie, work or sleep. Just push the LED ON/OFF button and any flashing lights will be turned off; also the fanless design keeps the switch silent.

Technical Specifications

PRODUCT	GS908	GS908E
1G RJ-45 ports	8	8
USB Charging Ports	N/A	2-port 10W maximum per port 20W maximum total
LED ON/OFF Button	Yes	Yes
PERFORMANCE SPECIFICATIONS		
Bandwidth	16 Gbps	
Priority queues	4	
Priority queuing	Weighted Round Robin (WRR)	
MAC Address database size (48-bit MAC addresses)	4K	
Multicast groups	128	
Packet forwarding rate (64 byte packet size)	11.9 Mfps	
Speed/Latency	10Mbps:<76.9µs 100Mbps:<9.1µs 1000Mbps:<2.7µs	
Jumbo frame support	Up to 9K packet size	
Acoustic noise level @ 25°C	0	
POWER/ENERGY EFFICENCY		
802.1p-based QoS/CoS Supported	Yes	
Auto Power Down	Yes	
Short Cable Detection/Power Saving	Yes	
Max power (worst case, all ports used, line-rate traffic)	3.1W maximum	3.3W maximum (no USB charging) 26.3W maximum (with USB charging)
QUALITY OF SERVICE (QOS)		
Port-based rate limiting	N/A	Ingress and egress
Port-based QoS	N/A	Yes
IEEE 802.1p COS	N/A	Yes
IPv4 DSCP	N/A	Yes
Port Rate Limiting Rates	N/A	512 kbit/s 1/2/5/8/16/32/64/128/256/512 Mbit/s
Pre-Defined Port Priority Queues	N/A	Critical/High/Medium/Low
Weighted Round Robin (WRR)	N/A	Yes
Strict priority queue technology	N/A	No

PRODUCT	GS908	GS908E
VLANS		
VLAN (# Supported)	N/A	64
Port-based VLAN	N/A	Yes
IEEE 802.1Q VLAN Tagging	N/A	Yes
L2 SERVICES - MULTICAST FILTERING		
IGMP snooping (v1, v2, and v3)	N/A	Yes
IGMP snooping querier	N/A	No
Block unknown multicast	N/A	Yes
Static multicast router port	N/A	Yes
L3 SERVICES - DHCP		
DHCP client	N/A	Yes
LINK AGGREGATION		
Static Manual LAGs (Port Trunking)	N/A	Yes
# of Static LAGs / # of members in each LAG	N/A	2 LAGs with maximum 4 members in each LAG
LEDS		
Per port	Speed, Link, Activity	
Per device	Power	Power (Blue), Auto-Diagnostics (Amber)
PHYSICAL SPECIFICATIONS		
Dimensions (W x D x H)	234 x 164 x 33mm (9.22 x 6.46 x 1.29in)	
Weight	0.37kg (0.81lb)	
POWER CONSUMPTION		
Power Supply	AC Power Adapter, 100-240VAC, 50-60Hz Adapter is localized to country of sale	
Max power (worst case, all ports used, line-rate traffic)	3.1W maximum	3.3W maximum (no USB charging) 26.3W maximum (with USB charging)
Min power (link-down standby)	1.5W minimum	1.6W minimum (no USB charging)
Heat Dissipation (max and min)	5.1 BTU/hr minimum 10.4 BTU/hr maximum	5.4 BTU/hr minimum (no USB charging) 89.8 BTU/hr maximum (with USB charging)
Fan(s)	Fanless	
ENVIRONMENTAL SPECIFICATIONS		
Operating		
Operating temperature	0° to 40°C (32° to 104°F)	
Humidity	90% maximum relative humidity (RH), non-condensing	
Altitude	10,000 ft (3,000 m) maximum	
Storage		
Storage temperature	−20° to 70°C (− 4° to 158°F)	
Humidity	95% maximum relative humidity (RH), non-condensing	
Altitude	10,000 ft (3,000 m) maximum	

ELECTROMAGNETIC EMISSIONS AND IMMUNITY	
Certifications	47 CFR FCC Part 15, Subpart B, Class B ICES-003:2016 Issue 6, Class B ANSI C63.4:2014
	EN 55022:2010 + AC:2011, Class A EN 55024:2010 EN 61000-3-2:2014, Class A EN 6100-3-3:2013
	AS/NZS CISPR 22:2009 + A1:2010, Class B
	VCCI V-3/2015.04, Class A V-4/2012.4
	Russia EAC mark
	CNS 13438
Electromagnetic Compliance (Class A or B)	Class B
SAFETY	
Certifications	CB mark, commercial IEC 60950-1:2005(ed.2) + A1:2009 + A2:2013
	UL/cUL Listed (UL 60950-1)/CAN/CSA C22.2 No. 60960-1-07
	EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013
	IEC 60950-1:2005 (ed.2)+A1:2009+A2:2013
	AS/NZS 60950.1:2015
	Russia EAC mark
WARRANTY AND SUPPORT	
Industry-leading 3 year warranty	
90-day complimentary technical support following purchase from a NETGEAR authorized reseller	

Ordering Information

PACKAGE CONTENT	
All Models	GS908 or GS908E Gigabit Ethernet Switch
	Cable retention strap
	Wall-mounting kit
	AC power adapter
	Quick install guide
ORDERING INFORMATION	
GS908-100NAS	North America and Latin America
GS908-100PES	Europe
GS908-100UKS	United Kingdom
GS908-100JPS	Japan
GS908-100AUS	Australia and New Zealand
GS908-100PRS	China
GS908E-100NAS	North America and Latin America
GS908E-100PES	Europe
GS908E-100UKS	United Kingdom
GS908E-100JPS	Japan
GS908E-100AUS	Australia and New Zealand

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