NETGEAR®

ProSAFE® Click Switches

Your ports and cables where you want them

Today's networks have increasing numbers of devices attached to them, both wired and wireless. As wired devices proliferate, it can be difficult to easily and neatly place networked ports where you want them.

NETGEAR ProSAFE Click Switches™ address this issue with an innovative and thoughtful hardware design, including the flexible 1-2-3-4 Click mounting system. The new ProSAFE Click Switches are Gigabit Ethernet switches with an industry-first, bracket mounting system for easy installation. Available in either 8- or 16-Gigabit port configurations, their slim design and internal power supplies enables you to organize wires, secure cables, eliminate bulky power adapters, and improve the overall appearance of wiring closets, training facilities, lab benches, conference rooms, and entertainment centers that require multiple connected devices.

Highlights

- Unique 1-2-3-4 Click mounting system for flexible placement options
- Cable management with provided retaining strap
- Multi-directional power cable to optimize placement
- Internal power supply to eliminate power brick
- 2 USB ports for quick access to charging tablets or smartphones (GSS108E only)
- Turn LED lights ON/OFF for non-distracting operation in dark environments such as next to a TV

NETGEAR Plus Switch features including:

- VLAN support for traffic segmentation
- Quality of Service (QoS) for traffic prioritization
- Auto "denial-of-service" (DoS) prevention (GSS116E only)
- Troubleshoot connection issues via cable test
- Loop detection and broadcast storm controls
- IGMP snooping v1, v2 and v3 support for multicast optimization
- Rate limiting for better bandwidth allocation
- Port mirroring for network monitoring
- Port trunking for bigger uplink bandwidth. (GSS116E only)

- No fan for silent operation
- Reinforced plastic (GSS108E) or metal case (GSS116E) for rugged durability
- Jumbo frame support
- Energy Efficient Ethernet (IEEE802.3az) support for maxium power savings
- LIFETIME Hardware Warranty*
- LIFETIME 24/7 Technical Support
- LIFETIME Next Business Day Replacement

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Flexible 1-2-3-4 Click Mounting System

The innovative 1-2-3-4 mounting system gives you the flexibility to place the Click Switch in locations where other switches will not go. Whether it's directly on a wall, strapped to a pole, under the meeting table in a conference room or in a server closet, vertical or horizontal, the Click Switch's unique mounting system allow you to control exactly how your ports and cables are deployed.

Flexible 1-2-3-4 Mounting System
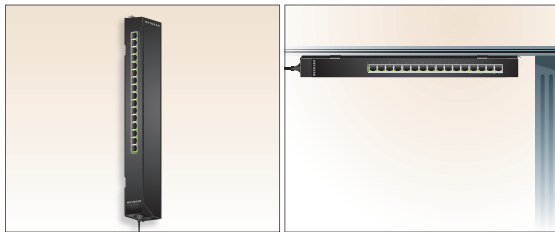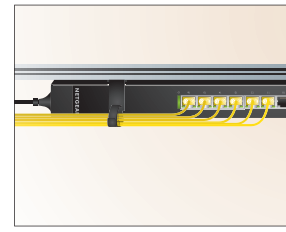

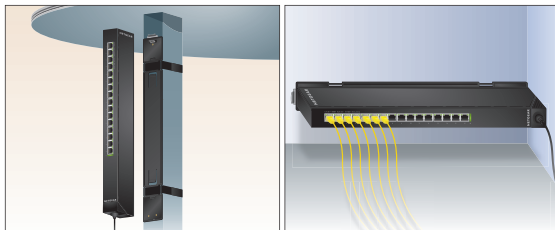1 Vertical/side mount

3 Horizontal/side mount

2 Vertical/rear mount

4 Horizontal/rear mount

Easy to Install

Simply click into the bracket
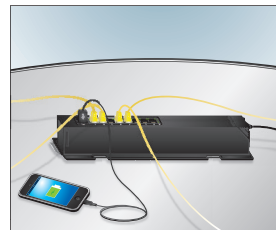
Two USB ports for charging tablets or phones

Cable Management

Strap cables to the bracket

Strap the cables to the wall

Hardware at a Glance

Model name	10/100/1000 Base-T RJ45 ports	Internal Power Supply	USB Charging Ports	Case Material
GSS108E	8	yes	10W maximum per port 15W maximum total	Plastic
GSS116E	16	yes	Not applicable	Metal

Software at a Glance

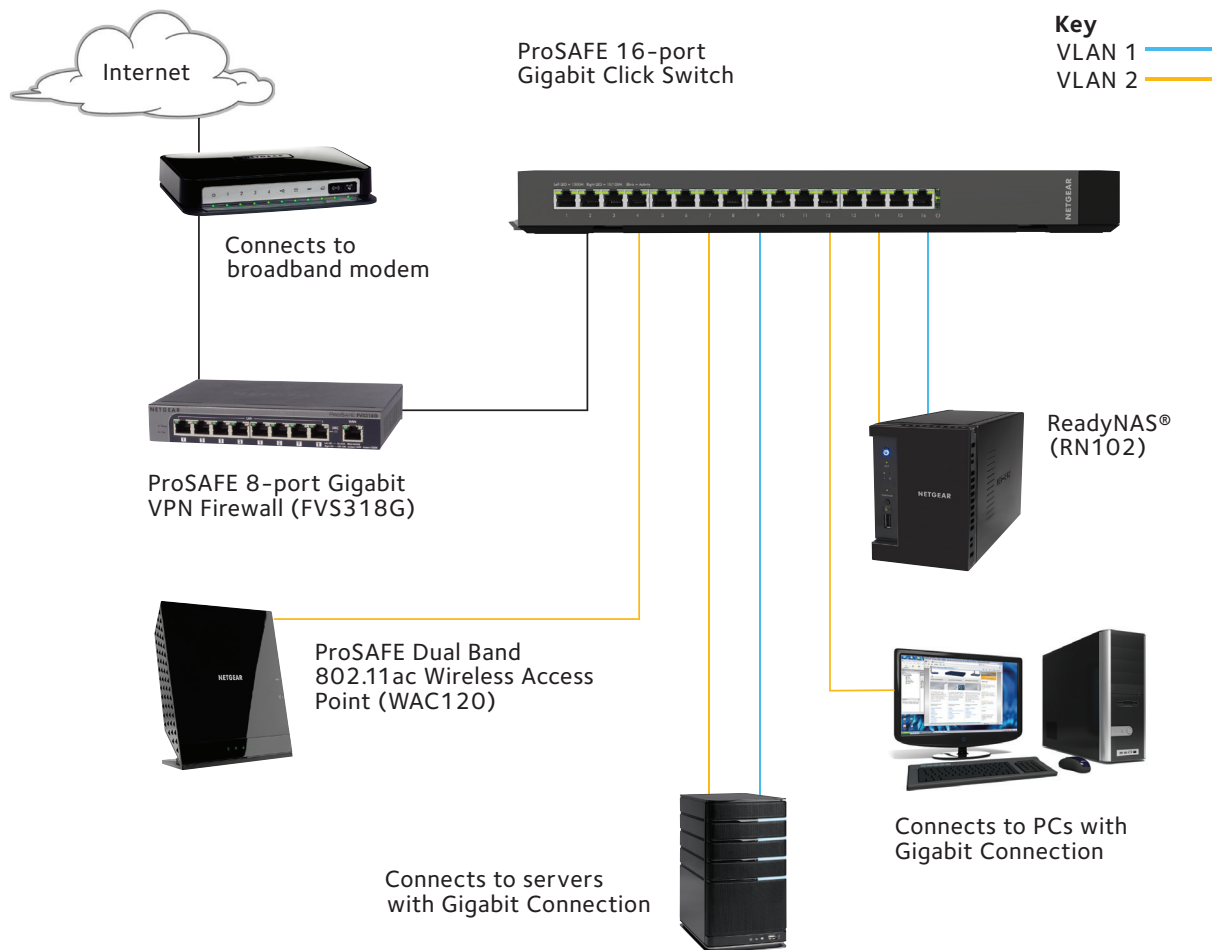| Management	IP Multicast filtering	EEE (802.3az) Auto-EEE	VLANs	QoS	Port Trunking	Rate Limiting	Jumbo Frame Support
PC Utility Tool Web GUI	IGMP Snooping v1, v2 and v3	Yes	Port-based, IEEE802.1Q-based VLANs	Port-based, IEEE802.1p-based	Port Trunking is supported on GSS116E only.	Yes	Yes

Features and Benefits

Hardware Features	Benefits
All Gigabit models	Making Click Switch an ideal upgrade for SMB networks combining management capability with higher speed and better performance
Click Mounting System	Flexibile deployment for either desktop placement, undertable mount as well as wall mount
Software Features	**Benefits**
VLAN	Segment network into smaller groups for more secure and efficient use of network resources
QoS	For optimized network performance and better delivery of mission-critical traffic such as voice and video
IGMP Snooping	For improved network efficiency on delivering multicast traffic
Port Trunking	Build up a bigger bandwidth to support aggregated uplink traffic (GSS116E only)
Port Mirroring	For better and quicker network diagnotics and troubleshooting
Cable Test	Easily identify bad Ethernet cables

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ProSAFE® Click Switches

Data Sheet

Target Application

SMB Network Application

Why the NETGEAR Click Switch is the ideal upgrade from Unmanaged Switches for SMB networks:

• Configurable with simple set-up
• Build multiple user groups
• Prioritize voice and video traffic
• Monitor and troubleshoot

Key
VLAN 1
VLAN 2

ProSAFE 16-port
Gigabit Click Switch

Internet

Connects to
broadband modem

ProSAFE 8-port Gigabit
VPN Firewall (FVS318G)

ReadyNAS®
(RN102)

ProSAFE Dual Band
802.11ac Wireless Access
Point (WAC120)

Connects to PCs with
Gigabit Connection

Connects to servers
with Gigabit Connection

Technical Specifications

PRODUCT SPECIFICATIONS		
Product	**GSS108E**	**GSS116E**
Gigabit ports	8	16
Max MAC entries	8K	8K
Buffer size	128KB	512KB
Energy Efficient Enthernet (IEEE802.3az compliant)	Yes	
PERFORMANCE SPECIFICATION		
Forwarding modes	Store–and–forward	
Bandwidth	16 Gbps	32 Gbps
Priority queuing	Weighted Round Robin (WRR)	
Jumbo frame support	GSS108E supports up to 16000 Bytes. GSS116E supports up to 9000 Bytes.	
Acoustic noise (ANSI-S10.12)	0	0
Mean Time Between Failures (MTBF)	1031177	721479
L2 SERVICES – VLANS		
VLAN (# Supported)	64	128
IEEE 802.1Q VLAN Tagging	Yes	
Port-based VLAN	Yes	
L2 SERVICES – AVAILABILITY		
Port Trunking	No	Yes
Number of LAGs & # of members	NA	2 LAGs & 2 to 8 members.
L2 SERVICES – MULTICAST FILTERING		
IGMP Snooping (v1, v2 and v3)	Yes	
IGMP Snooping queries	No	
Block unknown Multicast	Yes	
Supported Mulitcast groups	128	128
L3 SERVICES – DHCP		
DHCP Client	Yes	
QUALITY OF SERVICE (QOS)		
Rate limiting	Yes	
DSCP	Yes	
IEEE 802.1p COS	Yes	
Port-based VLAN	Yes	
TOS	Yes	
WRR (Weighted Round Robin)	WRR	
Strict Priority queue technology	No	

Technical Specifications

Product	GSS108E	GSS116E
IEEE NETWORK PROTOCOLS		
IEEE 802.3i 10BASE-T	Yes	
IEEE 802.3u 100BASE-T	Yes	
IEEE 802.3ab 1000BASE-T	Yes	
IEEE 802.3az Energy Efficient Ethernet	Yes	
IEEE 802.3x Full-duplex Flow Control	Yes	
IEEE 802.1Q VLAN Tagging	Yes	
IEEE 802.1p Class of Service	Yes	
IEEE 802.3ad Link Aggregation	No	Static LAG
MANAGEMENT		
System Password	Yes	
PC Utility	Yes	
Port Mirroring	Yes	
Max number of source ports allowed	1	15
Cable Test utility	Yes	
FW Upgrade thru Plus Utility (TFTP)	Yes	
Config Download (to Switch) thru Plus Utility	Yes	
Config Upload (to Server)	Yes	
MISCELLANEOUS FEATURES		
Loop Detection	Yes	
DoS Prevention	Yes for GSS116E No for GSS108E	
Broadcast Storm Control	Yes	
Energy Efficient Ethernet (EEE)	Yes	
LEDs		
Per port	Speed, Link, Activity	
Per device	Power	
LED Control	Activity = Blinking (default); Activity = solid; All LED off	
PHYSICAL SPECIFICATIONS		
Dimensions	305x65x35mm	407x70x35mm
Weight	0.44Kg	1.3Kg
Fan	0	0
Power Consumption (when all ports used, line-rate traffic)		
Worst case, all ports used, line-rate traffic, max USB	20.1W	8.4W

Technical Specifications

Product	GSS108E	GSS116E
ENVIRONMENTAL SPECIFICATIONS		
Operating		
Operating Temperature	0 - 40°C	
Humidity	90% maximum relative humidity, non-condensing	
Altitude	10,000 ft (3,000 m) maximum	
Storage		
Storage Temperature	– 4° to 158°F (−20° to 70°C)	
Humidity	95% maximum relative humidity, non-condensing	
Altitude	10,000 ft (3,000 m) maximum	
Electromagnetic Emissions and Immunity		
Certifications Class (including but not limited to CE mark, commercial, FCC Part 15, VCCI, EN55022 (CISPR 22), C-Tick, EN50082-1, EN55024, CCC)	B	
Safety		
Certifications	CE mark, commercial CSA certified (CSA 22.2 #950) UL listed (UL 1950)/cUL IEC 950/EN 60950	
WARRANTY AND SUPPORT		
Warranty	Lifetime*	
Technical Support	Lifetime Tech Support via chat, 90 day tech support via phone	
Next Business Day Replacement	Lifetime	
PACKAGE CONTENTS		
All models	ProSAFE Click Switch Power cord 1-2-3-4 Mounting Kit Cable retaining straps Quick Install Guide Resource CD with PC Utility software	

Ordering Information

ORDERING INFORMATION	
GSS108E North America and Latin America Europe Australia United Kingdom Japan China	GSS108E-100NAS GSS108E-100EUS GSS108E-100AJS GSS108E-100EUS GSS108E-100AJS GSS108E-100PRS
GSS116E North America and Latin America Europe Australia United Kingdom Japan China	GSS116E-100NAS GSS116E-100EUS GSS116E-100AJS GSS116E-100EUS GSS116E-100AJS GSS116E-100PRS

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