Gigabit Ethernet Switches

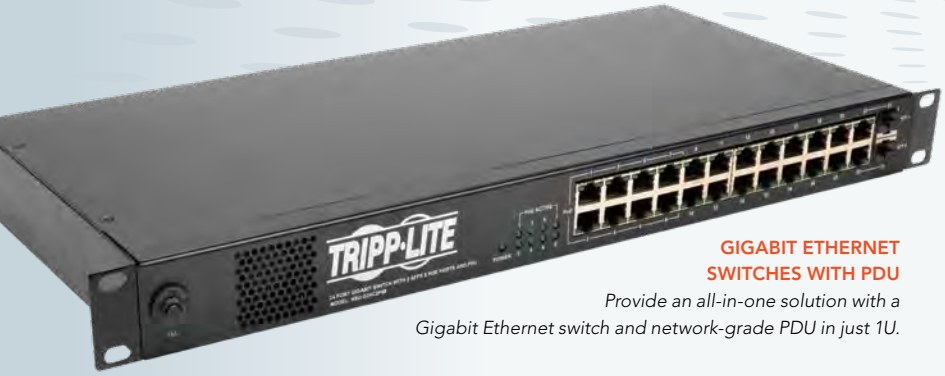
Network Switches Bring Gigabit Speeds and Power Options to Edge Computing Applications

Network-attached storage, cloud computing, VoIP, video streaming and unified communications are just a few of the data-intensive applications that can overwhelm outdated networks. Slow switches compound the problem, causing delays and frustration. Tripp Lite's Gigabit Ethernet switches provide the blazing-fast Gigabit speeds (10/100/1000 Mbps) required for edge-of-network devices. Choose from unmanaged and L2 web-smart managed switches, all with easy setup and rock-solid dependability.

Most Tripp Lite Gigabit Ethernet switches also offer options for powering edge devices. Power over Ethernet (PoE+) ports on select models provide convenient in-line power to PoE devices. Tripp Lite Gigabit Ethernet switches with a built-in PDU reliably distribute power to AC devices.

RACK/DESKTOP GIGABIT ETHERNET SWITCHES
Bring fast transfer speeds and advanced features to small-to-medium distributed networks.

Model: NG16POE



GIGABIT ETHERNET SWITCHES WITH PDU
Provide an all-in-one solution with a Gigabit Ethernet switch and network-grade PDU in just 1U.

Model: NSU-G24C2P08

DESKTOP GIGABIT ETHERNET SWITCHES
Bring high-speed, high-bandwidth networking to small office environments.

Model: NG8P

Key Benefits

Fast Gigabit Speeds (All Models)

- All switches feature auto-negotiating RJ45 10/100/1000 Mbps Ethernet ports.
- MDI/MDIX crossover detection allows the RJ45 ports to automatically detect and choose the connection required without using special crossover cables for uplinks.

Error-Free Forwarding (All Models)

- Store-and-forward switching stores a complete frame and checks it for errors before forwarding it to its destination. Frames with errors are discarded, preventing disruptions to network traffic.

Network Management (Managed Models)

- Managed switches provide advanced monitoring and control of network traffic. The built-in web interface supports remote access.

Fiber Optic Uplinks (Select Models)

- Also known as Mini-GBIC ports, SFP uplink ports accept SFP (small form-factor pluggable) transceivers that allow multiple switches to be connected using fiber optic cable.

Power for PoE Devices (Select Models)

- PoE+ ports support Power over Ethernet to power connected PoE devices, such as IP phones, wireless access points and security cameras. Generous PoE budgets support more high-wattage devices.

Power for AC Devices (Select Models)

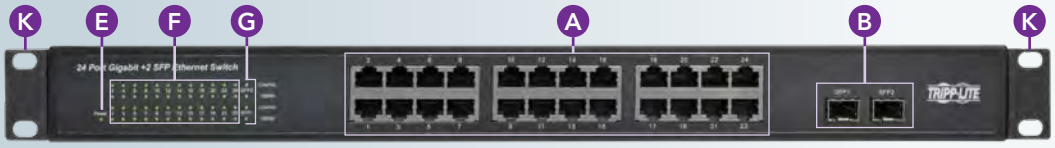
- Tripp Lite's exclusive "All-in-1U" solutions combine a Gigabit Ethernet switch and a network-grade PDU in a 1U rack-mount housing to save space in wall-mount rack cabinets.

RACK/DESKTOP GIGABIT ETHERNET SWITCHES

Available in unmanaged and L2 web-smart managed styles, these switches provide options for uplinking switches with fiber optic cable and/or powering PoE+ devices.

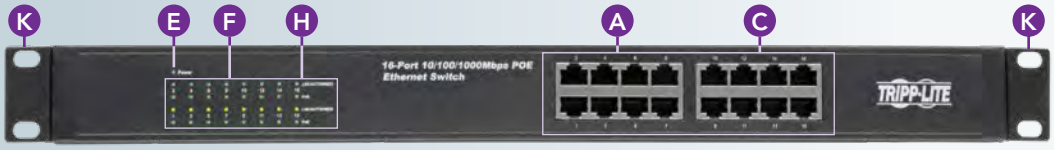
- Compact 1U horizontal rack housing (metal) also supports desktop placement
- Suitable for small-to-medium distributed networks
- 2 Mb RAM for data buffering
- 8K address MAC address table (NG5POE has a 2K address MAC address table)
- Support for jumbo frames up to 9K bytes

UNMANAGED RACK/DESKTOP SWITCHES



NG24 *(Front and Back)*

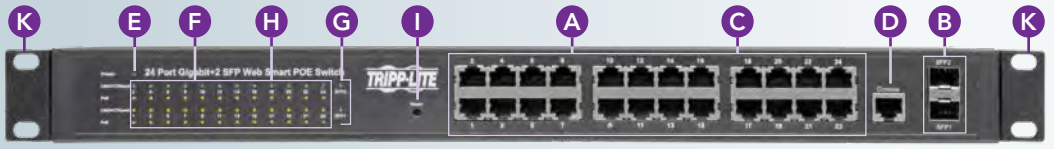
Similar model: ***NG16*** *(16 Ethernet Ports, Without SFP Ports)*



NG16POE *(Front and Back)*

Similar models: ***NG8POE*** *(8 Ethernet Ports, 8 PoE+ Ports) and* ***NG5POE*** *(5 Ethernet Ports, 4 PoE+ Ports)*

L2 WEB-SMART MANAGED RACK/DESKTOP SWITCHES



NGS24C2POE *(Front and Back)*

Similar models: ***NGS24C2*** *(Without PoE+ Ports),* ***NGS16C2*** *(16 Ethernet Ports, Without PoE+ Ports),* ***NGS8C2POE*** *(8 Ethernet Ports, 8 PoE+ Ports) and* ***NGS8C2*** *(8 Ethernet Ports, Without PoE+ Ports)*

- **A** Gigabit (10/100/1000 Mbps) Ethernet Ports
- **B** SFP/Mini-GBIC Optical Uplink Ports
- **C** PoE+ Ports
- **D** RJ45 Console Port (for Command Line Access)
- **E** Unit Power Status LED
- **F** Network Port Status LEDs
- **G** SFP Port Status LEDs
- **H** PoE Activity LEDs
- **I** Reset Button
- **J** Power Inlet for Detachable Power Cord (Included)
- **K** Detachable Mounting Brackets

SPECIFICATIONS

Model	RJ45 Gigabit Ethernet Ports	SFP Ports	PoE+ Ports	Switching Capacity*	QoS Support	AC Input Cord Length/Plug
UNMANAGED RACK/DESKTOP SWITCHES						
NG24	24	2 (Dedicated)	—	52 Gbps	—	5 ft. / 5-15P
NG16POE	16	—	16 (≤ 30W Each; ≤ 230W Total)	32 Gbps	—	6 ft. / 5-15P
NG16	16	—	—	32 Gbps	—	5 ft. / 5-15P
NG8POE	8	—	8 (≤ 30W Each; ≤ 140W Total)	16 Gbps	—	5 ft. / 5-15P
NG5POE	5	—	4 (≤ 26W Each; ≤ 75W Total)	10 Gbps	—	5 ft. / 5-15P
L2 WEB-SMART MANAGED RACK/DESKTOP SWITCHES						
NGS24C2POE	24	2 (Dedicated)	24 (≤ 30W Each; ≤ 300W Total)	52 Gbps	Yes	5 ft. / 5-15P
NGS24C2	24	2 (Dedicated)	—	52 Gbps	Yes	5 ft. / 5-15P
NGS16C2	16	2 (Dedicated)	—	36 Gbps	Yes	5 ft. / 5-15P
NGS8C2POE	8	2 (Dedicated)	8 (≤ 30W Each; ≤ 140W Total)	20 Gbps	Yes	5 ft. / 5-15P
NGS8C2	8	2 (Dedicated)	—	20 Gbps	Yes	5 ft. / 5-15P

*Full duplex. **All models:** Nominal AC input is 100-240V, 50/60 Hz. Tested to UL 60950-1, CSA (Canada), FCC Class A (except NG16, NG8POE and NG5POE are Class B) and NOM (Mexico); RoHS compliant; 5-year limited warranty. IEEE certifications vary by model. See www.tripplite.com for the most up-to-date specifications.

GIGABIT ETHERNET SWITCHES WITH PDU

The combination of a Gigabit Ethernet switch and a network-grade PDU in a 1U housing saves valuable space in wall-mount rack cabinets. It may also allow the use of a smaller cabinet, reducing costs significantly across multiple installations.

- Compact 1U horizontal rack housing (metal) with built-in PDU
- Suitable for small-to-medium distributed networks

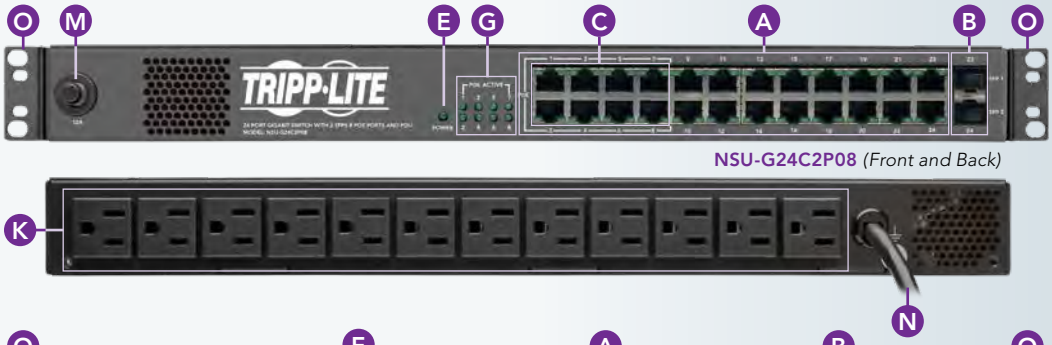
Unmanaged Switches with PDU

- 2 Mb RAM for data buffering
- 8K address MAC address table
- Support for jumbo frames up to 9K bytes

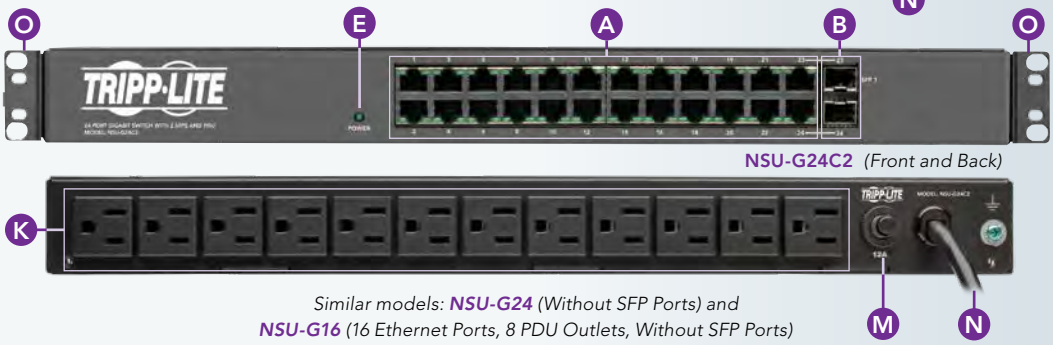
L2 Web-Smart Managed Switches with PDU

- 8 Mb RAM for data buffering
- 16K address MAC address table
- Support for jumbo frames up to 10K bytes

UNMANAGED SWITCHES WITH PDU



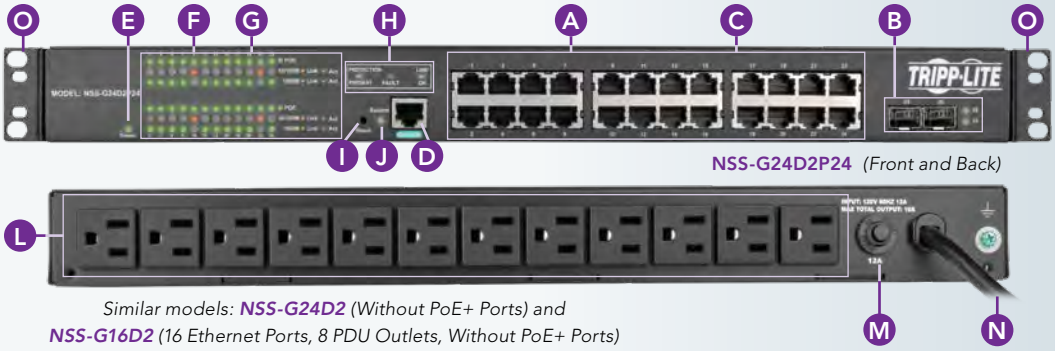
NSU-G24C2P08 *(Front and Back)*



NSU-G24C2 *(Front and Back)*

Similar models: ***NSU-G24*** *(Without SFP Ports) and* ***NSU-G16*** *(16 Ethernet Ports, 8 PDU Outlets, Without SFP Ports)*

L2 WEB-SMART MANAGED SWITCHES WITH PDU



NSS-G24D2P24 *(Front and Back)*

Similar models: ***NSS-G24D2*** *(Without PoE+ Ports) and* ***NSS-G16D2*** *(16 Ethernet Ports, 8 PDU Outlets, Without PoE+ Ports)*

- **A** Gigabit (10/100/1000 Mbps) Ethernet Ports
- **B** SFP/Mini-GBIC Optical Uplink Ports
- **C** PoE+ Ports
- **D** RJ45 Console Port (for Command Line Access)
- **E** Unit Power Status LED
- **F** Port Status LEDs
- **G** PoE Activity LEDs
- **H** AC Power Diagnostic LEDs
- **I** Reset Button
- **J** System Status LED
- **K** PDU Outlets (NEMA 5-15R)
- **L** PDU Outlets (NEMA 5-15R) with **isobar**® Surge Protection
- **M** Output Circuit Breaker
- **N** Power Cord (NEMA 5-15P Plug)
- **O** Detachable Mounting Brackets

SPECIFICATIONS

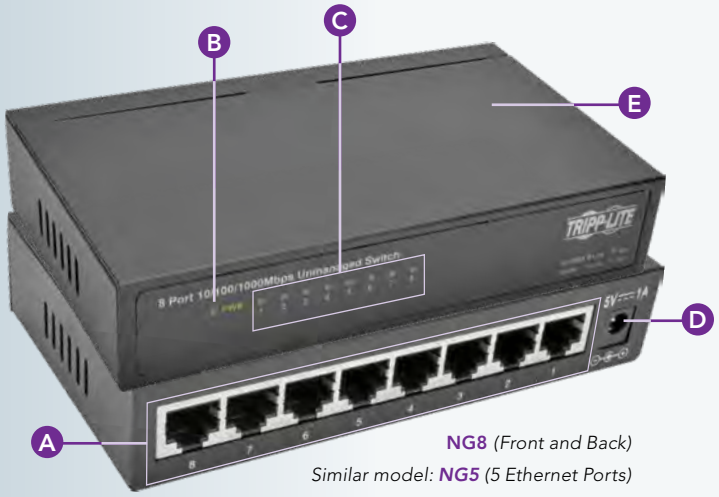
Model	RJ45 Gigabit Ethernet Ports	SFP Ports	PoE+ Ports	Switching Capacity*	AC Outlets	Surge Protection Rating	AC Input Cord Length/Plug
UNMANAGED SWITCHES WITH PDU							
NSU-G24C2P08	24	2 (Shared)	8 (≤ 30W Each; ≤ 120W Total)	48 Gbps	12 (5-15R)	—	6 ft. / 5-15P
NSU-G24C2	24	2 (Shared)	—	48 Gbps	12 (5-15R)	—	6 ft. / 5-15P
NSU-G24	24	—	—	48 Gbps	12 (5-15R)	—	6 ft. / 5-15P
NSU-G16	16	—	—	32 Gbps	8 (5-15R)	—	6 ft. / 5-15P
L2 WEB-SMART MANAGED SWITCHES WITH PDU							
NSS-G24D2P24	24	2 (Dedicated)	24 (≤ 30W Each; ≤ 240W Total)	52 Gbps	12 (5-15R)	3860 joules	6 ft. / 5-15P
NSS-G24D2	24	2 (Dedicated)	—	52 Gbps	12 (5-15R)	3860 joules	6 ft. / 5-15P
NSS-G16D2	16	2 (Dedicated)	—	36 Gbps	8 (5-15R)	3860 joules	6 ft. / 5-15P

*Full duplex. **All models:** Nominal AC Input is 120V, 60 Hz. PDU load capacity is 1.44 kW. Tested to UL 60950-1 (TUV), CSA (Canada), FCC Class A and NOM (Mexico); RoHS compliant; 5-year limited warranty. IEEE certifications vary by model. See www.tripplite.com for the most up-to-date specifications.

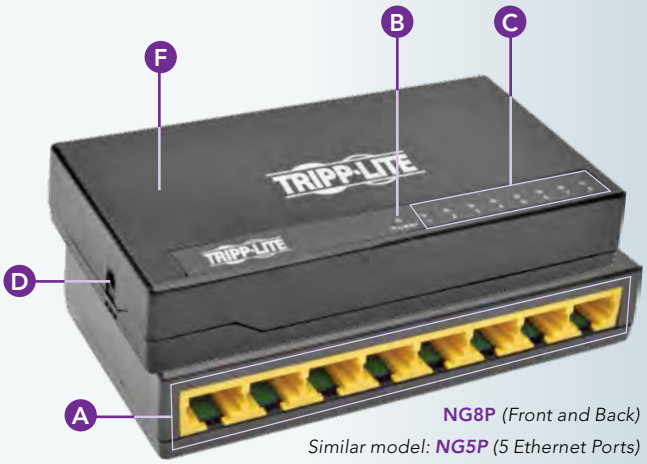
UNMANAGED DESKTOP GIGABIT ETHERNET SWITCHES

Designed for desktop use, these unmanaged switches feature plug-and-play setup for fast deployment.

- Compact desktop design; metal housings have bottom-panel slots for wall-mount installation
- Suitable for small/home office networks and workgroup applications
- Support MAC address auto-learning and auto-aging
- Support for jumbo frames up to 9K bytes
- Automatically shift unused ports to low-power state
- Consume very little input power—just 1W
- Fan-free design for silent operation



NG8 *(Front and Back)*
Similar model: ***NG5*** *(5 Ethernet Ports)*



NG8P *(Front and Back)*
Similar model: ***NG5P*** *(5 Ethernet Ports)*

A Gigabit (10/100/1000 Mbps) Ethernet Ports

B Unit Power Status LED

C Port Activity/Status LEDs

D Power Inlet for AC Adapter (Included)

E Heavy-Duty Metal Housing

F Durable Plastic Housing

SPECIFICATIONS

Model	RJ45 Gigabit Ethernet Ports	Housing	Switching Capacity*	Nominal AC Input	AC Input Cord Length/Plug	Unit Dimensions (HxWxD)
NG8	8	Metal	16 Gbps	100-240V, 50/60Hz	5 ft. / NEMA 1-15P	1.1 x 5.5 x 3.1 in.
NG8P	8	Plastic	16 Gbps	100-240V, 50/60Hz	5 ft. / NEMA 1-15P	0.9 x 5.0 x 2.6 in.
NG5	5	Metal	10 Gbps	100-240V, 50/60Hz	5 ft. / NEMA 1-15P	1.1 x 5.5 x 3.1 in.
NG5P	5	Plastic	10 Gbps	100-240V, 50/60Hz	5 ft. / NEMA 1-15P	0.9 x 5.0 x 2.6 in.

*Full duplex. **All models:** Tested to IEC/EN 60950-1, EN 55022/55024 (EMI), FCC Class B (EMI) and NOM (Mexico); Meet IEEE standards 802.3ab, 802.3u, 802.3i, 802.3x, 802.3 and 802.3az; RoHS compliant; 5-year limited warranty.

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