

NETGEAR 8-port Ultra60 PoE++ Multi-Gigabit (2.5G) Ethernet Unmanaged Switch



Control and Configure Beyond Plug-and-Play Connectivity

NETGEAR brings the first Unmanaged Multi-Gigabit PoE++ switch MS108UP with 60Watts per port Ultra60 PoE++ technology, ideal for powerful PoE++ installations with PoE budgets up to 230W, a compact size, plug-and-play installation, and reliable performance at affordable prices. The new model

MS108UP supports 2.5 Gigabit speed connectivity and Power-Over-Ethernet (PoE) that can provide up to 60W/ port. The new switch model can power devices such as VoIP phones, surveillance IP cameras, wireless access points and many other applications. This new Unmanaged switch provides

PoE Auto-Balance to help automatically balance the PoE power based on the device needs independent of PoE class detected. With the growing deployment of applications and an all-in-one solution, providing multi-speed and high power to these applications would be ideal.

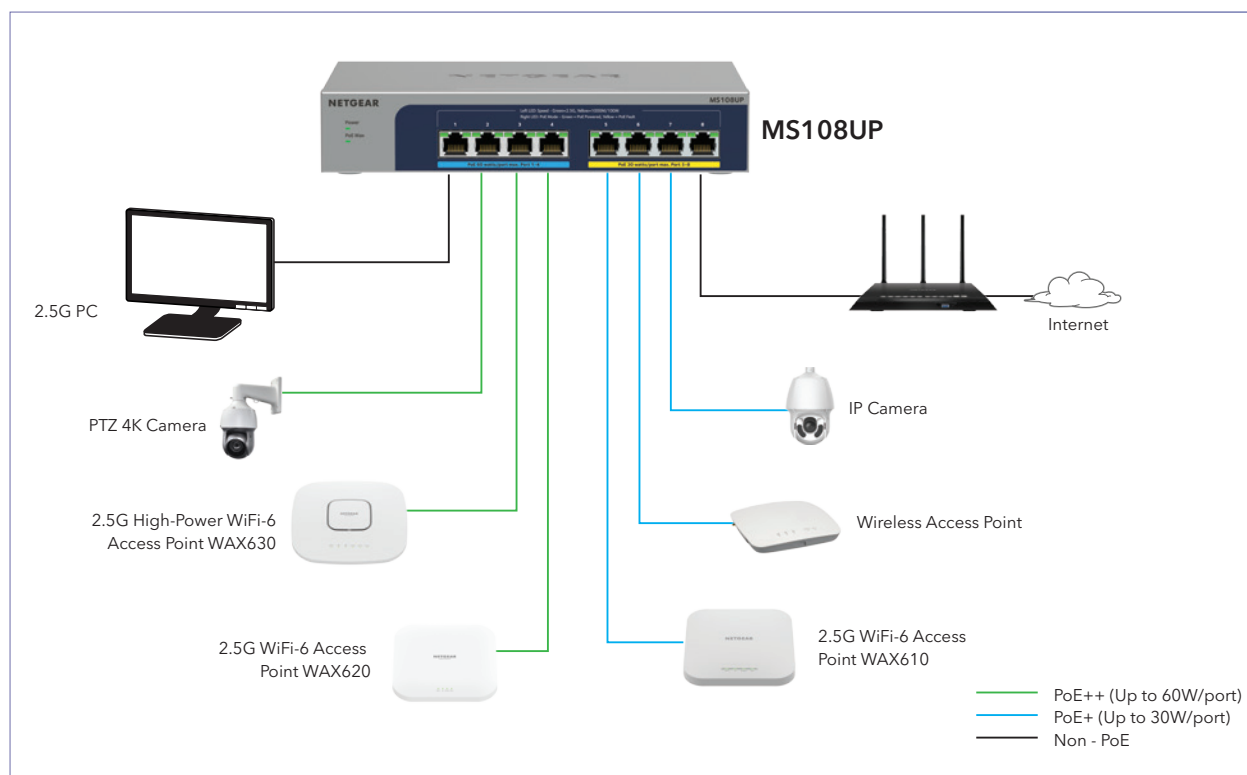
Highlights

- 802.3bt standard offering up to 60W/ port on Port 1-4, 802.3at (30W/port) on Port 5-8.
- 230W total PoE budget available across 8 ports.
- Simple set up with no software or configuration needed.
- Easy monitoring through per port LEDs for port activity and speed.
- Unique PoE Auto-Balance technology automatically balances the PoE power based on the device needs independent of PoE class detected. The switches deliver the power the device needs, at the most granular level.
- Energy Efficient Ethernet (IEEE 802.3az) support for maximum power savings.
- 8 ports of multi-gig 1G/2.5G speeds to connect devices instantly and give them each exactly the speed they need: 1G or 2.5G automatically.
- Non-blocking switching architecture for maximum throughput at wire speed
- Fanless, silent operation with desktop and rack-mounting options
- Limited Lifetime warranty. See terms and conditions for details.
- Optional support tiers to match your operational needs.

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Application Sample

Power The Devices in Your SMB Business



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Technical Specifications

Features	MS108UP
1G/2.5G Ethernet RJ-45 Copper ports (100M/1G/2.5G)	8
Enclosure	Metal
Connector type	Metal
Form-Factor	Desktop/Wall mount
PoE	
# of PoE ports	8
# of IEEE 802.3at ports (30W/port)	4
# of IEEE 802.3bt Type 3 ports (60W/port)	4
Total PoE/PoE+/PoE++ Budget	230W
PoE Auto-Balance	Yes
Performance Specifications	
Bandwidth	40Gbps
Max MAC entries	16K
Buffer size	1.5MB
Energy Efficient Ethernet (IEEE 802.3az) compliant	Yes
Queue WRR Ratio	1:3:5:7:8:10:12:15
Forwarding Rate (using 64-byte packets) - 1000Mbps Port	1,488,000pps
Forwarding Rate (using 64-byte packets) - 2.5Gbps Port	3,720,000pps
Latency (using 64-byte packets) - 1000Mbps Port (average)	<3.593µs
Latency (using 64-byte packets) - 2.5Gbps Port (average)	<5.874µs
Jumbo frame support	12,000 bytes
Acoustic noise level @ 25° C (dBA) (ANSI-S10.12)	0
Auto MDI/MDI-X Cable Detection	Yes
Auto-sensing Half/Full Duplex Switched Ports	Yes
Non Head-of-Line Blocking Architecture	Yes
Mean Time Between Failures (MTBF) @ 25° C	373,644 hrs (42.6 yrs)
IEEE Network Protocols	
• IEEE 802.3 Ethernet • IEEE 802.3bz 2.5GBASE-T • IEEE 802.3ab 1000BASE-T • IEEE 802.3u 100BASE-T • IEEE 802.1p Priority	• IEEE 802.3az Energy Efficient Ethernet (deactivated by default) • IEEE 802.3 CSMA/CD • IEEE 802.3x Full-duplex Flow Control • IEEE 802.3af PoE • IEEE 802.3at PoE+ • IEEE 802.3bt PoE++
Quality of Service	
802.1p-based QoS/CoS Supported	Yes
Honors DSCP (DiffServ) Tags	Yes

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LEDs	
Per port	Speed, Link, Activity, PoE
Per device	Power, PoE Max
Power Consumption	
DC Input/Power In	External (54V/4.7A)
Power Consumption (Max and Standby)	16.58W(no PoE), 270.5W(with PoE MAX) / 6.95W Standby
Heat Dissipation (Max and Standby) (BTU/Hr)	923.49BTU/23.73BTU
Energy Efficiency	
IEEE 802.3az (Energy Efficient Ethernet)	Yes
Auto Power Down	Yes
Short Cable Detection/Power Saving	Yes
Fan/Fanless	Fanless
Physical Specifications	
Dimensions (W x D x H)	210 x 140 x 40 mm (8.27 x 5.51 x 1.58 in)
Weight	0.9 kg (1.984 lb)
Environmental Specifications	
Operating	
Operating Temperature	32° to 104°F (0° to 40°C)
Humidity (relative)	90% 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)
Humidity (relative)	95% maximum relative humidity (RH), non-condensing
Altitude	10,000 ft (3,000 m) maximum
Electromagnetic Certifications and Compliance	
CE, FCC part 15 Class B, ISED, VCCI, KC, CCC, BSMI, RCM	
Safety Certifications	
CB, CSA, CCC, BSMI, RCM	
Warranty and Support	
Hardware warranty (All except China/India)	NETGEAR Enterprise Limited Lifetime warranty*
	Sprint support option with 24/5 Technical Support (phone, online) and Advance RMA Replacement
Technical support (online, phone)	Overdrive support option with 24/7 Technical Support (phone, online, 2h SLA) and Next Business Day RMA Replacement
	Visit https://www.netgear.com/enterprise-support for more information

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Premium Support Service Packs	Sprint SPR-MS108UP-12 SPR-MS108UP-36 SPR-MS108UP-60 Drive DRV-MS108UP-12 DRV-MS108UP-36 DRV-MS108UP-60
Package Contents	
All Models	NETGEAR Unmanaged Switch Detachable power cable (varies by region) Power Adapter Wall installation kit Rubber feet Installation guide
Ordering Information	
MS108UP-100AUS	Australia
MS108UP-100EUS	Europe including United Kingdom
MS108UP-100INS	India
MS108UP-100JPS	Japan
MS108UP-100KOS	Republic of Korea
MS108UP-100NAS	North America
MS108UP-100PES	Asia Pacific
MS108UP-100PRS	China
MS108UP-100TWS	Taiwan
MS108UP-100UKS	Asia Pacific

*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.

**The NETGEAR OnCall 24x7 contract provides unlimited phone, chat and email technical support for your networking product.

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