

5- and 8-port 10G/Multi-Gigabit Ethernet Unmanaged Switches

XS505Mv2 and XS508Mv2

The XS505Mv2 and XS508Mv2 remove the 1G bottleneck for enterprise servers, storage, and high-density access points — across every port, at every site, with nothing to configure



Delivering 100 Mbps to 10G auto-sensing on every port, these unmanaged Enterprise switches give servers, NAS units, and WiFi 6E/7 access points the full speed they support from the moment you plug in

Rated to 50°C and backed by a limited lifetime warranty with 90 days of complimentary 24/7 support, the XS505Mv2 and XS508Mv2 are built to run reliably in the warm wiring closets and equipment rooms where enterprise infrastructure lives.

Highlights

10G on every port

Each port delivers up to 10G and steps down through 5G, 2.5G, and 1G automatically. Servers, NAS units, and high-density WiFi 6E/7 access points all connect at full speed — with nothing to configure.

Rated to 50°C for hot equipment rooms

A 0°C to 50°C operating range and all-metal enclosure keep the switch running in the closets and server rooms. Fewer thermal failures means fewer emergency truck rolls.

Quiet, reliable design

A single, low-noise fan keeps the switch cool and quiet. Built to run wherever the infrastructure needs it — without adding disruptive noise to the equipment room.

Fast, repeatable multi-site deployment

Plug-and-play operation lets a team stand up identical hardware at every branch in minutes, no on-site specialists needed. Multi-site rollouts stay on schedule, and standardized hardware simplifies support.

Multi-gig auto-sensing on every port

Every port automatically negotiates 1G, 2.5G, 5G, or 10G. New and legacy infrastructure run side by side without a single reconfiguration — protecting existing cabling investments while upgrading capacity.

Limited lifetime warranty

A limited lifetime hardware warranty gives IT teams and MSP partners a predictable, multi-year support window they can quote with confidence — and 90 days of complimentary 24/7 support from day one.

Features and benefits

Features	Description
Multi-gigabit auto-sensing ports	Every port negotiates 1G, 2.5G, 5G, or 10G automatically. New and legacy infrastructure — servers, NAS units, and mixed-generation access points — run side by side without a single reconfiguration.
50°C operating range	Rated from 0°C to 50°C, this switch holds steady in the warm wiring closets and equipment rooms where cheaper hardware throttles or fails. Fewer heat-related failures means fewer emergency truck rolls and steadier margin on every managed site.
Full non-blocking switching fabric	All ports operate simultaneously at line rate. Servers, storage, and multiple access points can all transfer data at full speed at the same time — no hidden bottlenecks or bandwidth sharing in high-density deployments.
Plug-and-play multi-site deployment	No software, no firmware, no login. A team can ship identical units to every branch and bring them online in minutes — without dispatching an on-site specialist, keeping large rollouts on schedule and on budget.
Store-and-forward architecture	Every packet is fully received and verified before forwarding, preventing corrupted frames from propagating across the network — critical for business-critical workloads and enterprise storage traffic.
Auto-MDI/MDIX on all ports	Straight-through or crossover — any cable works on any port. No re-cabling needed when adding devices or reconfiguring a rack, simplifying deployments in tight equipment rooms.
Jumbo frame support (up to 12K bytes)	Large Ethernet frames reduce CPU overhead for iSCSI storage, NAS transfers, and virtualization workloads. Essential for enterprise environments that move large volumes of data between servers and storage.
802.1p / QoS priority queuing	8 priority queues with WRR scheduling ensure time-sensitive traffic — voice, video, and latency-critical applications — gets forwarded ahead of bulk data flows across the enterprise network
Energy Efficient Ethernet (IEEE 802.3az)	Dynamically reduces power on idle or low-traffic links. Devices that are sleeping or inactive consume less power — lowering operating costs across distributed fleet deployments.

Technical specifications

Specification	XS505Mv2	XS508Mv2
Interfaces		
RJ-45 ports	5 × 10G/Multi-Gig RJ-45	8 × 10G/Multi-Gig RJ-45
Port speeds	100M / 1G / 2.5G / 5G / 10G (auto-sensing)	
Auto-MDI/MDIX	All ports	
Performance		
Switching capacity	100 Gbps	160 Gbps
Forwarding rate	74.4 Mpps	119.04 Mpps
Packet buffer	1.5 MB	
MAC address table	16K entries	
Jumbo frames	Up to 12K bytes	
Switching mode	Non-blocking, store-and-forward	
QoS	802.1p/CoS, DSCP, 8 priority queues, WRR (1:3:5:7:8:10:12:15)	
Port latency	100M: <16 μs 1G: <12 μs 10G: <2 μs	
Management		
Management type	Unmanaged — plug-and-play	
SNMP / Web UI	Not supported	
Firmware upgrade	Not applicable	
Physical		
Form factor	Desktop, wall-mountable	
Housing	All-metal, silver with blue overlay	
LEDs (per port)	Speed, link, activity	
LEDs (per device)	Power, fan	
Dimensions (W × D × H)	210 × 140 × 40 mm (8.27 × 5.51 × 1.57 in)	
Weight	0.925 kg (2.04 lb)	0.947 kg (2.09 lb)
Cooling	1 active fan (low-noise)	
Acoustic noise @ 25°C	29.96 dB	29.97 dB
MTBF @ 25°C	944,360 hrs	519,995 hrs
Power		
Power supply	External AC adapter (included)	
Input voltage	100–240 V AC, 50/60 Hz	
Max power consumption	~26 W	~39 W

Technical specifications

Specification	XS305Mv2	XS308Mv2
Environmental		
Operating temperature	0°C to 50°C (32°F to 122°F)	
Storage temperature	-20°C to 70°C (-4°F to 158°F)	
Operating humidity	90% max relative humidity, non-condensing	
Storage humidity	95% max relative humidity	
Standards & Compliance		
IEEE standards	IEEE 802.3 / 802.3i / 802.3u / 802.3ab / 802.3bz / 802.3az / 802.3x / 802.1p (subject to PE confirmation)	
Regulatory certifications	FCC, UL, CB, CE, KCC, VCCI (subject to PE confirmation)	
Warranty and Support		
Hardware warranty	Limited lifetime hardware warranty	
Technical support	90 days complimentary 24/7 support	
Extended support	Sprint and Overdrive plans available	

Warranty and support

Limited lifetime hardware warranty

Every XS505Mv2 and XS508Mv2 unit[SB1.1] is backed by a limited lifetime hardware warranty — giving IT teams and MSP partners a predictable, multi-year support window they can quote with confidence.

90-day complimentary support

90 days of complimentary 24/7 technical support are included from the date of purchase. NETGEAR support engineers are available around the clock for setup, troubleshooting, and deployment questions.

Sprint support

Sprint plans provide a defined response time and escalation path for enterprise deployments where network uptime is business-critical. Purchased separately to extend coverage beyond the complimentary period.

Overdrive support

Overdrive plans provide the highest level of support with priority queue access and dedicated support resources — designed for MSPs and IT teams managing large fleets across multiple sites.

Extended support options

Part number	Description
Sprint	Defined response time and escalation path for business-critical deployments SPR-XS505M-12, SPR-XS505M-36, SPR-XS505M-60 SPR-XS508M-12, SPR-XS508M-36, SPR-XS508M-60
Overdrive	Priority queue access and dedicated support resources for managed fleet deployments DRV-XS505M-12, DRV-XS505M-36, DRV-XS505M-60 DRV-XS508M-12, DRV-XS508M-36, DRV-XS508M-60

Ordering information

XS505Mv2 — 5-Port 10G/Multi-Gig Unmanaged Enterprise Switch

Region	Part number
North America	XS505M-200NAS
Europe	XS505M-200EUS
Asia Pacific	XS505M-200OOS
Australia	XS505M-200AUS
India	XS505M-200INS
Japan	XS505M-200JPS
Korea	XS505M-200KOS
China	XS505M-200PRS
Taiwan	XS505M-200TWS
Hong Kong and Singapore	XS505M-200UKS
Other APAC	XS505M-200PES

XS508Mv2 — 8-Port 10G/Multi-Gig Unmanaged Enterprise Switch

Region	Part number
North America	XS508M-200NAS
Europe	XS508M-200EUS
Asia Pacific	XS508M-200OOS
Australia	XS508M-200AUS
India	XS508M-200INS
Japan	XS508M-200JPS
Korea	XS508M-200KOS
China	XS508M-200PRS
Taiwan	XS508M-200TWS
Hong Kong and Singapore	XS508M-200UKS
Other APAC	XS508M-200PES

Package contents

Item	Description
Switch unit	XS505Mv2 or XS508Mv2
Power adapter	External AC power adapter with regional plug
Wall mount kit	Wall mounting brackets and hardware
Installation guide	Quick start guide (printed)
Documentation flyer	Documentation download card (scan to access online resources at netgear.com/support)

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