

# 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 |
|-----------------------------------|-----------------------------------------------------------------------------------------------|----------|
| <b>Environmental</b>              |                                                                                               |          |
| 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                                                                     |          |
| <b>Standards &amp; Compliance</b> |                                                                                               |          |
| IEEE standards                    | IEEE 802.3u, IEEE 802.3ab, IEEE 802.3an, IEEE 802.3bz, IEEE 802.3x, IEEE 802.1p, IEEE 802.3az |          |
| Regulatory certifications         | CE, UKCA, FCC, ICES, VCCI, CB, BSMI, RCM, KC, CSA                                             |          |
| <b>Warranty and Support</b>       |                                                                                               |          |
| 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<br>SPR-XS505M-12, SPR-XS505M-36, SPR-XS505M-60<br>SPR-XS508M-12, SPR-XS508M-36, SPR-XS508M-60         |
| Overdrive   | Priority queue access and dedicated support resources for managed fleet deployments<br>DRV-XS505M-12, DRV-XS505M-36, DRV-XS505M-60<br>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 <a href="https://netgear.com/support">netgear.com/support</a> ) |

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 <a href="https://netgear.com/support">netgear.com/support</a> ) |



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