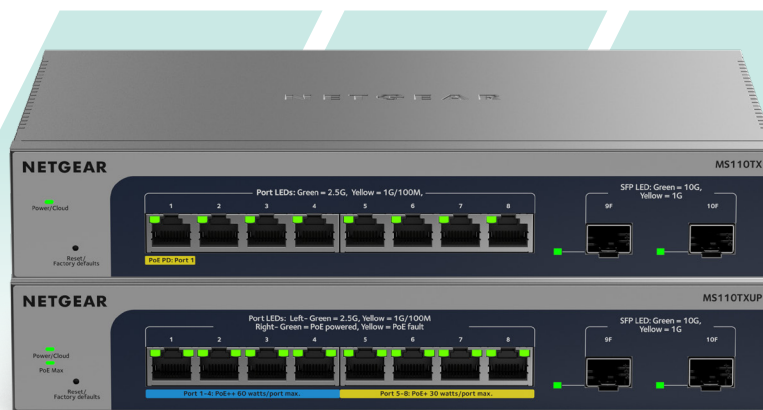


MS110TX and MS110TXUP multi-gigabit switches

Give your business the speed, capacity and reliability to get the most from WiFi 6, WiFi 6E and WiFi 7



The MS110TX and MS110TXUP deliver 2.5 G connectivity on every access port, eliminating the bottleneck between multi-gigabit access points and the wired infrastructure.

Both models offer two 10 G SFP+ fiber uplinks, fanless silent operation, and NETGEAR Insight cloud management - making them the right foundation for organizations ready to deploy WiFi 6, 6E, and 7 at full speed.

Highlights

2.5 G on every port

All eight RJ-45 ports run at 2.5 G, ensuring multi-gigabit access points and endpoint devices connect without compromise

10 G SFP+ fiber uplinks

Two 10 G SFP+ slots aggregate bandwidth upstream with fiber headroom to spare for growing networks

Fanless, silent operation

A thermally efficient design means zero noise - ideal for offices, classrooms, and any space where silence matters

Ultra60 PoE++ power delivery (MS110TXUP)

Ports 1-4 deliver up to 60 W per port (802.3bt) and ports 5-8 deliver up to 30 W (802.3at), for a total 230 W PoE budget

PD port - MS110TX port 1

Port 1 on the MS110TX can draw power from an upstream PoE source, enabling flexible deployment without a local power outlet

NETGEAR Insight cloud management

Configure, monitor, and troubleshoot from anywhere via the Insight mobile app or web portal - no on-site IT required

Lite L3 feature set

Static routing, DHCP server/relay, VLANs, QoS, ACLs, IGMP/MLD snooping, and LACP give the control you need without complexity

Limited Lifetime Warranty

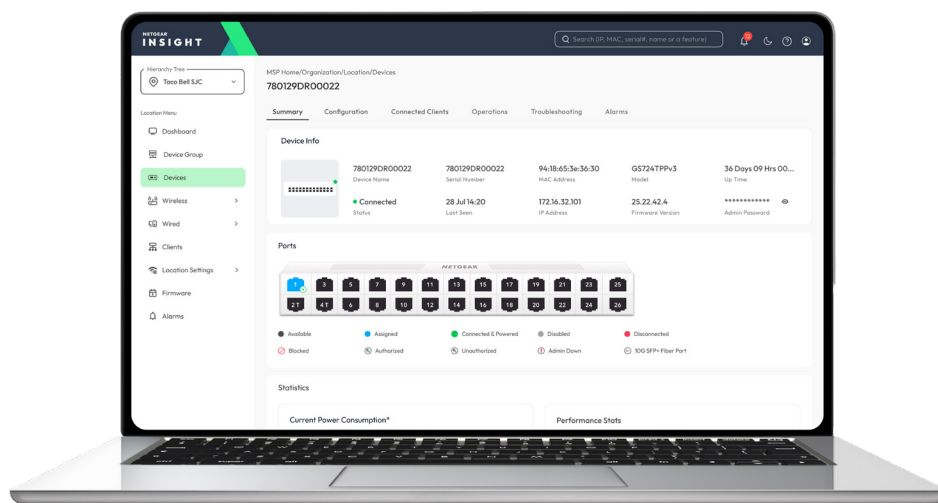
Limited Lifetime Hardware Warranty with options for next-business-day replacement and 24/7 chat support

Features and benefits — hardware

Feature	Benefit
8 x 2.5G RJ-45 ports	Every port runs at 2.5 G, delivering full multi-gigabit throughput to WiFi 6/6E/7 access points and high-demand endpoints without a forklift upgrade of client NICs
2 x 10G SFP+ uplinks	Fiber uplinks at 10 G aggregate bandwidth to the core switch or router, giving the network headroom to grow without creating an upstream bottleneck
Fanless design	Completely silent operation makes the MS110TX and MS110TXUP suitable for noise-sensitive environments such as open offices, libraries, classrooms, and conference rooms
Ultra60 PoE++ - 802.3bt (MS110TXUP)	Ports 1-4 deliver up to 60 W each, powering high-draw devices such as PTZ cameras, WiFi 6E/7 access points, and multi-display thin clients from a single cable
PoE+ - 802.3at (MS110TXUP)	Ports 5-8 provide up to 30 W per port, supporting IP phones, standard cameras, and access points at scale
230 W PoE budget (MS110TXUP)	A generous 230 W total PoE budget supports a full complement of powered devices simultaneously, reducing the need for additional power injectors or midspans
PD port - port 1 (MS110TX)	The MS110TX can be powered directly from an upstream PoE source via port 1, eliminating the need for a dedicated outlet and simplifying deployments in hard-to-reach locations
Flexible mounting	Desktop, wall-mount (VESA holes), and rack-mount options (kit included) allow deployment in nearly any physical environment
Compact 10-inch form factor	At 253 x 180 x 44 mm, both switches fit in space-constrained locations while still providing full 8-port 2.5G connectivity plus 10 G uplinks

Features and benefits — software

Feature	Benefit
NETGEAR Insight cloud management	Remotely configure, monitor, and troubleshoot from the Insight mobile app or web portal. Zero-touch provisioning lets sites go live without IT staff on location
Smart Lite CLI / SSH / Telnet	Command-line access for experienced administrators who prefer scripted or direct terminal management alongside GUI tools
Auto Video / Voice / Camera / WiFi VLAN	One-click VLAN templates for common device types segment traffic automatically, reducing configuration time and the risk of misconfiguration
802.1Q VLAN with 802.1x authentication	Up to 256 VLANs with port-based authentication ensure that only authorized devices join the correct network segment
STP / RSTP / MSTP	Multiple spanning-tree protocols prevent loops while enabling per-VLAN load balancing and fast convergence for redundant topologies
LACP link aggregation	Bond multiple links between switches for increased bandwidth and link-level redundancy without a single point of failure
IPv4 / IPv6 static routing	Lite L3 static routing between VLANs reduces the need for a dedicated router in smaller deployments, simplifying architecture and lowering cost
DHCP server and relay	Eliminate the need for a dedicated DHCP server or distribute addressing across VLANs using the built-in server and relay agent
IGMP and MLD snooping	Multicast traffic is delivered only to subscribing ports, preserving bandwidth for unicast and PoE-powered devices on the same switch
QoS and ACLs	DiffServ and 802.1p QoS with four queues per port prioritize voice and video, while IPv4/IPv6 ACLs enforce security policy at the port level
SNMP v1 / v2c / v3	Industry-standard SNMP support integrates with existing NMS platforms for unified visibility across the network
LLDP and LLDP-MED	Automated neighbor discovery and MED extensions communicate PoE requirements and VLAN configuration to IP phones and access points



NETGEAR Insight

NETGEAR Insight is a cloud-based management platform that gives IT teams and managed service providers complete visibility and control over NETGEAR switches, access points, and storage from a single pane of glass. Both the MS110TX and MS110TXUP are fully Insight-compatible.

Zero-touch provisioning

Claim a device before it ships. When it connects to the internet on site, it automatically retrieves its configuration - no on-site IT required.

Remote monitoring and alerts

Real-time dashboards show port status, PoE utilization, traffic, and errors. Proactive alerts notify administrators before users report issues.

Multi-site management

Manage hundreds of locations from one account. Apply configuration changes across all sites simultaneously.

Mobile app and web portal

The Insight app (iOS and Android) and web portal provide full management - from onboarding device to troubleshooting port - from anywhere, on any device

Integrated wired and wireless management

When paired with Insight-managed access points, the switch and APs automatically share configuration for consistent VLAN and PoE policy alignment

REST API for automation

Developers and MSPs use the Insight API to automate provisioning, integrate with ticketing platforms, and build custom workflows

Note: NETGEAR Insight is supported on the MS110TX and MS110TXUP. An Insight Managed Switch license is not included and must be purchased separately.

Technical specifications

Specification	MS110TX	MS110TXUP
Interfaces		
RJ-45 data ports	8 x 2.5GBASE-T (auto-neg 100M/1G/2.5G Port 1: also PD port (802.3at))	8 x 2.5GBASE-T (auto-neg 100M/1G/2.5G)
PoE standard	None	Ports 1-4: IEEE 802.3bt (60 W) Ports 5-8: IEEE 802.3at (30 W)
Total PoE budget	N/A	230 W
SFP+ ports	2 x 10GBASE-X SFP+	2 x 10GBASE-X SFP+
Console port	None	None
Performance		
Switching capacity	80 Gbps non-blocking	80 Gbps non-blocking
Forwarding rate	59.52 Mpps	59.52 Mpps
Jumbo frames	Up to 12,000 bytes	Up to 12,000 bytes
MAC address table	16K entries	16K entries
VLAN entries	Up to 256	Up to 256
Packet buffer size	1.5 MB	1.5 MB
Mean Time Between Failures (MTBF)	1,843,598 hrs (210 years)	1,528,748 hrs (174 years)
100M copper ports latency (64-byte; 1518-byte frames)	16.04µs; 16.10µs	16.14µs; 16.21µs
1G copper ports latency (64-byte; 1518-byte frames)	5.73µs; 5.72µs	5.74µs; 5.73µs
2.5G copper ports latency (64-byte; 1518-byte frames)	8.05µs; 8.04µs	8.25µs; 8.23µs
1G fiber ports latency (64-byte; 1518-byte frames)	2.41µs; 2.42µs	2.38µs; 2.37µs
10G fiber ports latency (64-byte; 1518-byte frames)	1.42µs; 1.42µs	1.42µs; 1.42µs
Layer 2 Features		
802.1Q VLANs	Up to 256 VLANs	Up to 256 VLANs
802.1x	Port-based authentication	Port-based authentication
GARP / GVRP	Yes	Yes
STP / RSTP / MSTP	IEEE 802.1D / 802.1w / 802.1s	IEEE 802.1D / 802.1w / 802.1s
LACP	IEEE 802.3ad - L2 hashing	IEEE 802.3ad - L2 hashing
IGMP snooping	IGMPv1 / v2 / v3	IGMPv1 / v2 / v3
MLD snooping	MLDv1 / v2	MLDv1 / v2
LLDP	IEEE 802.1AB	IEEE 802.1AB
LLDP-MED	Yes	Yes
Auto VLAN	Auto Video / Voice / Camera / WiFi VLAN	Auto Video / Voice / Camera / WiFi VLAN

Specification	MS110TX	MS110TXUP
Layer 3 Features		
IPv4 static routing	Yes	Yes
IPv6 static routing	Yes	Yes
DHCP server	Yes - IPv4 and IPv6	Yes - IPv4 and IPv6
DHCP relay	Yes - IPv4 and IPv6	Yes - IPv4 and IPv6
Static route entries	Up to 32	Up to 32
QOS and ACL		
QoS modes	DiffServ (DSCP), 802.1p	DiffServ (DSCP), 802.1p
Queues	4 per port	4 per port
ACLs	IPv4 and IPv6 - ingress and egress	IPv4 and IPv6 - ingress and egress
Rate limiting	Per-port ingress and egress	Per-port ingress and egress
Management		
NETGEAR Insight	Yes - Insight Managed Switch license required (sold separately)	Yes - Insight Managed Switch license required (sold separately)
Web GUI	HTTP and HTTPS	HTTP and HTTPS
CLI	Smart Lite CLI via SSH and Telnet	Smart Lite CLI via SSH and Telnet
SNMP	v1 / v2c / v3	v1 / v2c / v3
Syslog (Server)	Yes	Yes
IPv6 Management	Yes	Yes
RMON	Group 1, 2, 3, 9	Group 1, 2, 3, 9
Port mirroring	Yes	Yes
Max number of source ports allowed (many-to-one port mirroring)	10	10
Firmware upgrade	Web GUI, Insight, TFTP	Web GUI, Insight, TFTP
NDT	NETGEAR Device Tool	NETGEAR Device Tool
Localization	German, Japanese	German, Japanese



Physical and environmental specifications

Specification	MS110TX	MS110TXUP
Dimensions (W x D x H)	253 x 180 x 44 mm (10.0 x 7.1 x 1.7 in)	253 x 180 x 44 mm (10.0 x 7.1 x 1.7 in)
Weight	1.48 kg (3.26 lb)	1.50 kg (3.31 lb)
Enclosure	10-inch compact desktop form factor	10-inch compact desktop form factor
Mounting	Desktop, wall-mount (VESA holes), rack-mount (kit included)	Desktop, wall-mount (VESA holes), rack-mount (kits included)
LEDs - system	Power	Power, PoE
LEDs - per port	Speed / Link / Activity	Speed / Link / Activity
LEDs - SFP+	Link / Activity per port	Link / Activity per port
Fan	Fanless	Fanless
Operating temperature	0 to 40 C (32 to 104 F)	0 to 40 C (32 to 104 F)
Storage temperature	-20 to 70 C (-4 to 158 F)	-20 to 70 C (-4 to 158 F)
Operating humidity	90% maximum relative humidity, non-condensing	90% maximum relative humidity, non-condensing
Storage humidity	95% maximum relative humidity, non-condensing	95% maximum relative humidity, non-condensing
Altitude	Up to 3,000 m (10,000 ft)	Up to 3,000 m (10,000 ft)

Power specifications

Specification	MS110TX	MS110TXUP
Input voltage	12V 2.5A DC power adapter	54V 4.7A DC power adapter
PoE power supply	N/A	~240 W (254 W adapter)
PoE budget	N/A	230 W
Energy efficiency	IEEE 802.3az Energy Efficient Ethernet (EEE)	IEEE 802.3az Energy Efficient Ethernet (EEE)
Power consumption (max)	16.4W	20.9W(no PoE)
Power consumption link-down standby (min)	5.6W	273.4W(with PoE MAX) 273.4W(with PoE MAX)
Heat dissipation (max and min) (BTU/hr)	Max: 55.99BTU/hr Min: 17.75 BTU/hr	Max: 933.39BTU/hr Min: 38.92 BTU/hr

Standards and certifications

Specification	MS110TX	MS110TXUP
IEEE standards	IEEE 802.3, 802.3u, 802.3ab, 802.3bz (2.5G), 802.3ae (10G SFP+), 802.3az (EEE), 802.1Q, 802.1p, 802.1D, 802.1w, 802.1s, 802.1ab, 802.1x, 802.3ad	IEEE 802.3, 802.3u, 802.3ab, 802.3bz (2.5G), 802.3ae (10G SFP+), 802.3at (PoE+), 802.3bt (PoE++), 802.3az (EEE), 802.1Q, 802.1p, 802.1D, 802.1w, 802.1s, 802.1ab, 802.1x, 802.3ad
Safety	CE LVD, CB (IEC 62368-1)	UL/cUL 62368-1, CE LVD, CB (IEC 62368-1)
EMC emissions	FCC Part 15 Class A, CE, VCCI Class A, RCM, BSMI, KC, IC	FCC Part 15 Class A, CE, VCCI Class A, RCM, BSMI, KC, IC
RoHS	RoHS 2 / RoHS 3 compliant	RoHS 2 / RoHS 3 compliant



Warranty and support

NETGEAR stands behind the MS110TX and MS110TXUP with the Limited Lifetime Hardware Warranty

Limited Lifetime Hardware Warranty

NETGEAR warrants both models against defects in materials and workmanship for as long as the original purchaser owns the product

Fast hardware replacement

If the switch fails within the warranty period, NETGEAR ships a replacement upon receiving the failed unit at no additional charge

90 days of free 24x7 technical support

Complimentary access to NETGEAR technical support engineers by phone around the clock for 90 days from the date of purchase

Limited Lifetime online chat support

NETGEAR Insight chat and community support are available within the product warranty period at no additional cost

Extended support options

Service	Description
Technical Support	• Sprint support option with 24/5 Technical Support (phone, online) and Advance RMA Replacement • 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
Premium Support Contracts*	Sprint SPR-MS110TX-12/36/60 SPR-MS110TXUP-12/36/60 Drive DRV-MS110TX-12/36/60 DRV-MS110TXUP-12/36/60

Ordering information

MS110TX and MS110TXUP are available in three regional configurations: North America (NAS), EMEA (EUS), and Asia-Pacific (OS).

MS110TX - 8-Port Multi-Gigabit Smart Managed Switch

Model number	Region
MS110TX-100NAS	North America
MS110TX-100EUS	EMEA
MS110TX-100AUS	Australia and New Zealand
MS110TX-100INS	India
MS110TX-100JPS	Japan
MS110TX-100KOS	South Korea
MS110TX-100PES	Other APAC
MS110TX-100PRS	China
MS110TX-100TWS	Taiwan
MS110TX-100UKS	Hong Kong and Singapore

MS110TXUP - 8-Port Ultra60 PoE++ Multi-Gigabit Smart Managed Switch

Model number	Region
MS110TXUP-100NAS	North America
MS110TXUP-100EUS	EMEA
MS110TXUP-100AUS	Australia and New Zealand
MS110TXUP-100INS	India
MS110TXUP-100JPS	Japan
MS110TXUP-100KOS	South Korea
MS110TXUP-100PES	Other APAC
MS110TXUP-100PRS	China
MS110TXUP-100TWS	Taiwan
MS110TXUP-100UKS	Hong Kong and Singapore

APAC CTO variants available for AU, JP, IN, KO, PR, PE, TW, and UK markets. Contact your regional sales representative for details.

Package content

All models	NETGEAR MS110TX or MS110TXUP switch Power adapter Detachable power cord (MS110TXUP only, varies by region) Rubber footpads for tabletop installation Rack-mount kit for rack installation Documentation download flyer
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Optional modules and accessories

MS110TX and MS110TXUP accept standard SFP+ modules and fiber cables in the 10 G SFP+ slots

Part Number	Description	Type
AGM732F	1000BASE-LX SFP GBIC module, 1310 nm, 10 km, LC single-mode	SFP (1G)
AXM761	10GBASE-SR SFP+ module, 850 nm, 300 m, LC multi-mode	SFP+ (10G fiber)
AXM762	10GBASE-LR SFP+ module, 1310 nm, 10 km, LC single-mode	SFP+ (10G fiber)
AXM764	10GBASE-ER SFP+ module, 1550 nm, 40 km, LC single-mode	SFP+ (10G fiber)
AXM765v2	10GBASE-T SFP+ copper module, RJ-45, up to 30 m	SFP+ (10G copper)
AXC761	Direct attach cable (DAC), SFP+ to SFP+, 1 m, passive	DAC cable
AXC763	Direct attach cable (DAC), SFP+ to SFP+, 3 m, passive	DAC cable

Note: Due to the fanless thermal design, only one 10G copper SFP+ module (e.g. AXM765v2) may be installed at a time. Fiber SFP+ modules may be installed in both slots simultaneously.

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