Netgear AV Line M4250-10G2XF-PoE+

Switch - L3 - Managed - 10 x 10/100/1000 (8 PoE+) + 2 x 10 Gigabit SFP+ - side to side airflow - rack-mountable - PoE+ (240 W)



Group	Network Equipment
Manufacturer	Netgear
Manufacturer item no.	GSM4212PX-100EUS
EAN/UPC	0606449149586

Description

The NETGEAR M4250 switch series was developed and engineered for audio / video professionals with dedicated service and support. M4250 has been built from the ground up for the growing AV over IP market. AV codecs generally use 1 Gbps or 10 Gbps per stream and the AV Line of M4250 targets the widespread 1 Gbps codecs. PoE+ and rear-facing ports ensure a clean integration in AV racks. M4250 switch comes pre-configured for standard audio and video signals. When requirements are more specific, an AV user interface offers customization with port-based profiles. For audio Dante, Q-SYS and AES67 profiles are available. For video the M4250 offers profiles for NVX, SVSI, Q-SYS, NDI, Dante, as well as audio / video / control mixed profiles.

Main features

Product Description	NETGEAR AV Line M4250-10G2XF-PoE+ - switch - 12 ports - Managed - rack-mountable
Device Type	Switch - 12 ports - L3 - Managed
Enclosure Type	Side to side airflow rack-mountable 1U
Subtype	10 Gigabit Ethernet
Ports	10 x 10/100/1000 (8 PoE+) + 2 x 10 Gigabit SFP+
Power Over Ethernet (PoE)	PoE+
PoE Budget	240 W
Performance	Switching capacity: 60 Gbps ¦ Firewall throughput (64-byte packet size): 44.64 Mpps ¦ Latency (1 Gbps): < 2.14 µs ¦ Latency (10 Gbps): < 0.84 µs
Capacity	VLANs supported: 4093 ¦ ARP entries: 4000 ¦ Multicast entries (IPv4): 512 ¦ Multicast entries (IPv6): 128 ¦ Jumbo frame size: up to 12000 ¦ IGMP multicast groups: 2000 ¦ MSTP instances: 16 ¦ PVST instances: 32
MAC Address Table Size	16K entries
Routing Protocol	RIP, IGMPv2, IGMP, PIM-SM, PIM-DM, IGMPv3, PIM-SSM, static IPv4 routing, static IPv6 routing, MLDv2
Remote Management Protocol	RMON 1, RMON 2, SNMP, RMON 9, Telnet, HTTPS, SSH, CLI, TACACS+, RADIUS
Features	VLAN support, DoS attack prevention, sFlow, Spanning Tree Protocol (STP) support, DHCP snooping, Quality of Service (QoS), DHCP server, Dynamic ARP Inspection (DAI), DHCP relay, Link Aggregation Control Protocol (LACP), Remote Switch Port Analyzer (RSPAN), Dynamic VLAN Support (GVRP), Multiple VLAN Registration Protocol (MVRP), 16MB packet buffer, IP source guard, Bridge protocol data unit (BPDU), GARP Multicast Registration Protocol (GMRP),

	Spanning-tree Root Guard (STRG), policy based routing, Authentication, Authorization and Accounting (AAA), LLDP-MED, Private VLAN, Protocol Independent Multicast (PIM), Rapid Reconfiguration of Spanning Tree (RSTP), Link Aggregation Group (LAG)
Compliant Standards	IEEE 802.3af, IEEE 802.3ad (LACP), IEEE 802.1as, IEEE 802.1ab (LLDP), IEEE 802.1ak, IEEE 802.3at, IEEE 802.3az, IEEE 802.1AX, IEEE 802.1Qat, IEEE 802.1Qav
Power	AC 110 V
Dimensions (WxDxH)	44 cm x 20 cm x 4.32 cm
Weight	2.9 kg
Localisation	Europe

Extended details

	General
Device Type	Switch - 12 ports - L3 - Managed
Enclosure Type	Side to side airflow rack-mountable 1U
Subtype	10 Gigabit Ethernet
Ports	10 x 10/100/1000 (8 PoE+) + 2 x 10 Gigabit SFP+
Power Over Ethernet (PoE)	PoE+
PoE Budget	240 W
Performance	Switching capacity: 60 Gbps ¦ Firewall throughput (64-byte packet size): 44.64 Mpps ¦ Latency (1 Gbps): < 2.14 µs ¦ Latency (10 Gbps): < 0.84 µs
Capacity	VLANs supported: 4093 ¦ ARP entries: 4000 ¦ Multicast entries (IPv4): 512 ¦ Multicast entries (IPv6): 128 ¦ Jumbo frame size: up to 12000 ¦ IGMP multicast groups: 2000 ¦ MSTP instances: 16 ¦ PVST instances: 32
MAC Address Table Size	16K entries
Routing Protocol	RIP, IGMPv2, IGMP, PIM-SM, PIM-DM, IGMPv3, PIM-SSM, static IPv4 routing, static IPv6 routing, MLDv2
Remote Management Protocol	RMON 1, RMON 2, SNMP, RMON 9, Telnet, HTTPS, SSH, CLI, TACACS+, RADIUS
Encryption Algorithm	SSL 3.0, TLS 1.2
Features	VLAN support, DoS attack prevention, sFlow, Spanning Tree Protocol (STP) support, DHCP snooping, Quality of Service (QoS), DHCP server, Dynamic ARP Inspection (DAI), DHCP relay, Link Aggregation Control Protocol (LACP), Remote Switch Port Analyzer (RSPAN), Dynamic VLAN Support (GVRP), Multiple VLAN Registration Protocol (MVRP), 16MB packet buffer, IP source guard, Bridge protocol data unit (BPDU), GARP Multicast Registration Protocol (GMRP), Spanning-tree Root Guard (STRG), policy based routing, Authentication, Authorization and Accounting (AAA), LLDP-MED, Private VLAN, Protocol Independent Multicast (PIM), Rapid Reconfiguration of Spanning Tree (RSTP), Link Aggregation Group (LAG)
Compliant Standards	IEEE 802.3af, IEEE 802.3ad (LACP), IEEE 802.1as, IEEE 802.1ab (LLDP), IEEE 802.1ak, IEEE 802.3at, IEEE 802.3az, IEEE 802.1AX, IEEE 802.1Qat, IEEE 802.1Qav
Processor	X ARM A9: 1.25 GHz
RAM	2 GB

Flash Memory	256 MB
	Expansion / Connectivity
Interfaces	10 x 10/100/1000 Base-T RJ-45 8 ports (PoE+) ¦ 2 x 10GBase-X SFP+ ¦ 1 x management (Gigabit LAN) RJ-45 ¦ 1 x console RJ-45 ¦ 1 x USB Type A ¦ 1 x console (USB) Type C
	Power
Power Device	Internal power supply
Installed Qty	1
Voltage Required	AC 110 V
Power Consumption Operational	25 Watt
Power Consumption Stand by	12.96 Watt
	Miscellaneous
Included Accessories	Mounting brackets, foot pad set, 2 x SFP slot caps
Cables Included	Console cable ¦ USB-C to USB-A cable
Rack Mounting Kit	Included
Compliant Standards	CCC, EN 61000-3-3:2013, EN 55024:2010, YD/T993-1998, IEC60950/EN60950, FCC CFR47 Part 15 B Class A, CNS 13438 Class A, GB 4943.1-2011, EN 55032:2012+AC:2013 Class A, CNS 14336-1, IEEE 1588, ICES-003:2016 issue 6 Class A, CISPR 32:2012, EN 61000-3-2:2014 Class A, VCCI-CISPR 32:2016 Class A, AN/NZS 60950.1:2015, AS/NZS CISPR32:2013 Class A, IEC 60950-1:2005 (ed.2)+A1:2009+A2:2013, EN 60950-1:2006+A1:2010+A11:2009+A2:2013+A12:2011, GB/T9254-2008 Class A, ANSI C63.4:2014
Localisation	Europe
	Dimensions & Weight
Width	44 cm
Depth	20 cm
Height	4.32 cm
Weight	2.9 kg
	Manufacturer Warranty
Service & Support	Limited warranty - lifetime
	Environmental Parameters
Min Operating Temperature	0 °C
Max Operating Temperature	45 °C
Humidity Range Operating	90% (non-condensing)
Min Storage Temperature	-20 °C
Max Storage Temperature	70 °C
Humidity Range Storage	95% (non-condensing)

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