



## DESCRIPTION

Switching engineered for 1G AV over IP with PoE+, Ultra90 PoE++ and rear-facing ports ensuring a clean integration in AV racks. M4250 switches come 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, as well as an AVB profile requiring an AVB license sold separately. For video the M4250 offers profiles for NVX, SVSI, Q-SYS, NDI, Dante etc. as well as audio/video/control mixed profiles. When multiple switches, NETGEAR IGMP Plus brings automation for you to just connect them together.

### M4250 Support for Audio Video Bridging (AVB)

One of the many features designed into the new M4250 product line is full support for Audio Video Bridging (AVB), an industry standard for transporting content over a network. AVB is used most often when very low latency is required such as in live performances when lip sync is critical. All of the AV Line M4250 switches can be optionally licensed for AVB support.

## TECHNICAL CHARACTERISTICS

Brand : NETGEAR

Part number : GSM4212PX-100EUS

### Réseau :

Full duplex : Y

10G support : N

Access Control List (ACL) : Y

Authentication : MAC-based authentication

Authentication type : RADIUS

Basic switching RJ-45 Ethernet ports quantity : 10

Basic switching RJ-45 Ethernet ports type : Gigabit Ethernet (10/100/1000)

BPDU filtering/protection : Y

Broadcast storm control : Y

Built-in processor : Y

Depth : 200 mm

DHCP features : DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 relay, DHCPv6 server, DHCPv6 snooping

Form factor : 1U

Harmonized System (HS) code : 85176990

Heat dissipation : 1046.05 BTU/h
Height : 43.2 mm
IGMP snooping : Y
Internal memory : 2048 MB
IPv4 multicast entries : 2000
IPv6 multicast entries : 2000
Jumbo frames : 12000
Jumbo frames support : Y
Latency (1 Gbps) : 2.14 µs
LED indicators : PoE, Power, Status
Link aggregation : Y
Loop protection : Y
MAC address table : 16000 entries
Mean time between failures (MTBF) : 947871 h
Multicast support : Y
Networking standards : IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt, IEEE 802.3x
Noise level : 39.22 dB
Non-operating altitude : 0 - 3000 m
Number of queues : 8
Number of VLANs : 4093
Operating altitude : 0 - 3000 m
Operating relative humidity (H-H) : 0 - 90%
Operating temperature (T-T) : 0 - 50 °C
Packet buffer memory : 16 MB
Power consumption (typical) : 306.4 W
Power over Ethernet (PoE) : Y
Power over Ethernet (PoE) power per port : 30 W
Power over Ethernet plus (PoE+) ports quantity : 8
Processor frequency : 1250 MHz
Processor model : ARM Cortex-A9
Product colour : Black
Quality of Service (QoS) support : Y
Rack mounting : Y
Rate limiting : Y
SFP+ module slots quantity : 2
Spanning tree protocol : Y
SSH/SSL support : Y
Storage relative humidity (H-H) : 0 - 95%
Storage temperature (T-T) : -20 - 70 °C
Store-and-forward : Y
Switch layer : L2/L3
Switch type : Managed
Switching capacity : 60 Gbit/s
Throughput : 44.64 Mpps
Total Power over Ethernet (PoE) budget : 240 W
Virtual LAN features : MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN
VLAN support : Y
Weight : 2.96 kg
Width : 440 mm