

## NETGEAR M4250-10G2XF-PoE++ Managed L2/L3 Gigabit Ethernet (10/100/1000) Power over Ethernet (PoE) 1U Schwarz

Marke : NETGEAR

Artikel-Code: GSM4212UX-100EUS

Produktname : M4250-10G2XF-PoE++

NETGEAR M4250-10G2XF-PoE++. Switch-Typ: Managed, Switch-Ebene: L2/L3. Basic Switching RJ-45 Ethernet Ports-Typ: Gigabit Ethernet (10/100/1000), Anzahl der basisschaltenden RJ-45 Ethernet Ports: 10. Vollduplex. MAC-Adressentabelle: 16000 Eintragungen, Routing-/Switching-Kapazität: 60 Gbit/s. Netzstandard: IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ad, IEEE.... Power over Ethernet (PoE). Rack-Einbau, Formfaktor: 1U

| Management-Funktionen                              |                                                                                                                                                    | Multicast-Funktionen                              |                       |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------|
| Switch-Typ *                                       | Managed                                                                                                                                            | IPv4 Multicast-Einträge                           | 2000                  |
| Switch-Ebene                                       | L2/L3                                                                                                                                              | IPv6 Multicast-Einträge                           | 2000                  |
| Quality of Service (QoS) Support                   | ✓                                                                                                                                                  | <b>Design</b>                                     |                       |
| Anschlüsse und Schnittstellen                      |                                                                                                                                                    | Rack-Einbau *                                     | ✓                     |
| Anzahl der basisschaltenden RJ-45 Ethernet Ports * | 10                                                                                                                                                 | Formfaktor                                        | 1U                    |
| Basic Switching RJ-45 Ethernet Ports-Typ *         | Gigabit Ethernet (10/100/1000)                                                                                                                     | Produktfarbe                                      | Schwarz               |
| Menge Modul-Steckplätze SFP+                       | 2                                                                                                                                                  | LED-Anzeigen                                      | PoE, Leistung, Status |
| Netzwerk                                           |                                                                                                                                                    | <b>Leistungen</b>                                 |                       |
| Netzstandard *                                     | 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 | Eingebauter Prozessor                             | ✓                     |
|                                                    |                                                                                                                                                    | Prozessor                                         | ARM Cortex-A9         |
| 10G-Unterstützung *                                | ✗                                                                                                                                                  | Prozessortaktfrequenz                             | 1250 MHz              |
| Vollduplex                                         | ✓                                                                                                                                                  | Speicherkapazität                                 | 2048 MB               |
| Link Aggregation                                   | ✓                                                                                                                                                  | Geräuschpegel                                     | 66,23 dB              |
| Broadcast-Sturmkontrolle                           | ✓                                                                                                                                                  | Mittlere Betriebsdauer zwischen Ausfällen (MTBF)  | 947871 h              |
| Ratenbeschränkung                                  | ✓                                                                                                                                                  | <b>Energie</b>                                    |                       |
| Spannbaum-Protokoll                                | ✓                                                                                                                                                  | Stromverbrauch (Standardbetrieb)                  | 837,7 W               |
| VLAN-Unterstützung                                 | ✓                                                                                                                                                  | <b>Power over Ethernet (PoE)</b>                  |                       |
| Virtuelle LAN-Funktionen                           | MAC address-based VLAN, Private VLAN, Protocol-based VLAN, Tagged VLAN, Voice VLAN                                                                 | Power over Ethernet (PoE) *                       | ✓                     |
|                                                    |                                                                                                                                                    | Anzahl Power over Ethernet plus (PoE+) Anschlüsse | 8                     |
| Anzahl der VLANs                                   | 4093                                                                                                                                               | Gesamtleistung Power over Ethernet (PoE)          | 720 W                 |
| Datenübertragung                                   |                                                                                                                                                    | <b>Betriebsbedingungen</b>                        |                       |
| Routing-/Switching-Kapazität *                     | 60 Gbit/s                                                                                                                                          | Betriebstemperatur                                | 0 - 50 °C             |
| Durchgang                                          | 44,64 Mpps                                                                                                                                         | Temperaturbereich bei Lagerung                    | -20 - 70 °C           |
| MAC-Adressentabelle *                              | 16000 Eintragungen                                                                                                                                 | Relative Luftfeuchtigkeit in Betrieb              | 0 - 90%               |
| Store-and-Forward                                  | ✓                                                                                                                                                  | Luftfeuchtigkeit bei Lagerung                     | 0 - 95%               |
| Wartezeit (1 Gbps)                                 | 1,837 µs                                                                                                                                           | Höhe bei Betrieb                                  | 0 - 3000 m            |
| Anzahl Queues                                      | 8                                                                                                                                                  | Höhe bei Lagerung                                 | 0 - 3000 m            |
| Jumbo Frames Unterstützung                         | ✓                                                                                                                                                  | Wärmeableitung                                    | 2859,91 BTU/h         |
| Jumbo-Frames                                       | 12000                                                                                                                                              | <b>Gewicht und Abmessungen</b>                    |                       |
| Datenpaket-Pufferspeicher                          | 16 MB                                                                                                                                              | Breite                                            | 440 mm                |
| Sicherheit                                         |                                                                                                                                                    | Tiefe                                             | 200 mm                |
| DHCP-Funktionen                                    | DHCP Option 82, DHCP relay, DHCP server, DHCP snooping, DHCPv6 client, DHCPv6 relay, DHCPv6 server, DHCPv6 snooping                                | Höhe                                              | 43,2 mm               |
|                                                    |                                                                                                                                                    | Gewicht                                           | 3,83 kg               |
| Zugriffskontrollliste                              | ✓                                                                                                                                                  | <b>Logistikdaten</b>                              |                       |
| IGMP-Snooping                                      | ✓                                                                                                                                                  | Warentarifnummer (HS)                             | 85176990              |

**Sicherheit**

|                        |                                |
|------------------------|--------------------------------|
| SSH-/SSL-Unterstützung | ✓                              |
| Loop Protection        | ✓                              |
| BPDU-Filterung/Schutz  | ✓                              |
| Authentifizierung      | MAC-basierte Authentifizierung |
| Authentifizierungstyp  | RADIUS                         |

**Multicast-Funktionen**

|                         |   |
|-------------------------|---|
| Multicast Unterstützung | ✓ |
|-------------------------|---|



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(01)10606449149620

### Catalog Object Cloud



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