

## NETGEAR M4300-24X24F Managed L2/L3/L4 10G Ethernet (100/1000/10000) 1U Black

**Brand :** NETGEAR

**Product code:** XSM4348S-100NES



**Product name :** M4300-24X24F

48x 10G, IPv4/IPv6, PoE+, VLAN, DHCP, L2, L3

NETGEAR M4300-24X24F. Switch type: Managed, Switch layer: L2/L3/L4. Basic switching RJ-45 Ethernet ports type: 10G Ethernet (100/1000/10000), Basic switching RJ-45 Ethernet ports quantity: 24, USB 2.0 ports quantity: 1, Console port: RJ-45/Mini-USB. MAC address table: 128000 entries, Switching capacity: 960 Gbit/s. Networking standards: IEEE 802.3ad, IEEE 802.3az. Rack mounting, Form factor: 1U



|   |                                     |                                     |  |
|---|-------------------------------------|-------------------------------------|--|
| <b>Management features</b>                      |                                     | <b>Multicast features</b>           |  |
| Switch type *                                   | Managed                             | Multicast support                   | ✓  |
| Switch layer                                    | L2/L3/L4                            | Number of multicast groups filtered | 4000   |
| Quality of Service (QoS) support                | ✓                                   | <b>Design</b>                       |  |
| Web-based management                            | ✓                                   | Rack mounting *                     | ✓  |
| ARP inspection                                  | ✓                                   | Stackable *                         | ✓  |
| <b>Ports &amp; interfaces</b>                   |                                     | Form factor                         | 1U   |
| Basic switching RJ-45 Ethernet ports quantity * | 24                                  | Product colour                      | Black  |
| Basic switching RJ-45 Ethernet ports type *     | 10G Ethernet (100/1000/10000)       | LED indicators                      | Activity, Power, Speed   |
| SFP+ module slots quantity                      | 24                                  | Safety                              | CSA 22.2 #950, UL 1950)/cUL IEC 950/EN 60950                         |
| Fiber optic connector                           | SFP+                                | Electromagnetic compatibility       | CE, FCC 15 A, VCCI A, A EN 55022, (CISPR 22) A, EN 50082-1, EN 55024 |
| Console port                                    | RJ-45/Mini-USB                      | <b>Performance</b>                  |  |
| USB 2.0 ports quantity                          | 1                                   | Built-in processor                  | ✓  |
| <b>Network</b>                                  |                                     | Processor frequency                 | 800 MHz  |
| Networking standards *                          | IEEE 802.3ad, IEEE 802.3az          | Internal memory                     | 1024 MB  |
| 10G support *                                   | ✓                                   | Flash memory                        | 256 MB   |
| Cable types supported                           | Cat5, Cat5e, Cat6, Cat7             | Noise level                         | 35.8 dB  |
| Port mirroring                                  | ✓                                   | Mean time between failures (MTBF)   | 133176 h   |
| IP routing                                      | ✓                                   | <b>Power</b>                        |  |
| Flow control support                            | ✓                                   | Power supply included *             | ✓  |
| Link aggregation                                | ✓                                   | Power consumption (max)             | 161 W  |
| Rate limiting                                   | ✓                                   | <b>Power over Ethernet (PoE)</b>    |  |
| Auto-sensing                                    | ✓                                   | Power over Ethernet (PoE) *         | ✗  |
| Auto-negotiation                                | ✓                                   | <b>Operational conditions</b>       |  |
| VLAN support                                    | ✓                                   | Operating temperature (T-T)         | 0 - 50 °C  |
| Virtual LAN features                            | Private VLAN                        | Storage temperature (T-T)           | -20 - 70 °C  |
| Number of VLANs                                 | 4000                                | Operating relative humidity (H-H)   | 0 - 90%  |
| <b>Optical fiber</b>                            |                                     | Storage relative humidity (H-H)     | 0 - 95%  |
| Fiber ethernet cabling technology               | 10GBASE-LR, 10GBASE-LRM, 10GBASE-SR | Operating altitude                  | 0 - 3000 m   |
| <b>Data transmission</b>                        |                                     | Non-operating altitude              | 0 - 3000 m   |
| Switching capacity *                            | 960 Gbit/s                          | Heat dissipation                    | 133176 BTU/h   |
| Forwarding rate                                 | 714 Mpps                            | <b>Weight &amp; dimensions</b>      |  |
| MAC address table *                             | 128000 entries                      | Width                               | 440 mm   |

| Data transmission         |                          | Weight & dimensions         |                           |
|---------------------------|--------------------------|-----------------------------|---------------------------|
| Store-and-forward         | ✓                        | Depth                       | 345 mm                    |
| Latency (10 Gbps)         | 2.39 μs                  | Height                      | 44 mm                     |
| Number of static routes   | 64                       | Weight                      | 6.12 kg                   |
| Jumbo frames support      | ✓                        | <b>Packaging data</b>       |                           |
| Jumbo frames              | 12000                    | Cables included             | AC, LAN (RJ-45), Mini-USB |
| Packet buffer memory      | 56 MB                    | Rack mount kit              | ✓                         |
| <b>Security</b>           |                          | Rubber feet                 | ✓                         |
| DHCP features             | DHCP server, DHCP client | Resource CD                 | ✓                         |
| Access Control List (ACL) | ✓                        | <b>Logistics data</b>       |                           |
| Security algorithms       | HTTPS, SNMP, SSH         | Harmonized System (HS) code | 85176990                  |
| SSH/SSL support           | ✓                        |                             |                           |
| BPDU filtering/protection | ✓                        |                             |                           |



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