NETGEAR

NETGEAR M4350-48G4XF Hallittu L3 Gigabit Ethernet (10/100/1000) Power over Ethernet -tuki 1U musta

Tuotemerkki : NETGEAR　　　　　　　　　**Tuotekoodi:** GSM4352-100NES

Tuotteen nimi : M4350-48G4XF

NETGEAR M4350-48G4XF. Kytkin tyyppi: Hallittu, Kytkinkerros: L3. Peruskytkentä RJ-45 Ethernet-porttien tyyppi: Gigabit Ethernet (10/100/1000), Basic kytkentä RJ-45 Ethernet-porttien määrä: 48. Täysin kaksipuolinen. MAC-osoitetaulukko: 16000 entries, Kytkentäkapasiteetti: 176 Gbit/s. Verkkostandardit: IEEE 802.1D, IEEE 802.1Q, IEEE 802.1Qav, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3, IEEE.... Virtaliitin: AC-in-liitin. Power over Ethernet -tuki. Telineasennus, Kotelo: 1U

Management features	
Switch type *	Managed
Switch layer	L3
Quality of Service (QoS) support	✔
Web-based management	✔
ARP inspection	✔

Ports & interfaces	
Basic switching RJ-45 Ethernet ports quantity *	48
Basic switching RJ-45 Ethernet ports type *	Gigabit Ethernet (10/100/1000)
Gigabit Ethernet (copper) ports quantity	48
SFP+ module slots quantity	4
Power connector	AC-in jack

Network	
Networking standards *	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1Qav, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3ak, IEEE 802.3bz, IEEE 802.3u
10G support *	✔
Full duplex	✔
Policy-based routing	✔
Flow control support	✔
Link aggregation	✔
Broadcast storm control	✔
Rate limiting	✔
Spanning tree protocol	✔
6to4 tunnel	✔
IPv4 routes	512
IPv6 routes	256
VLAN support	✔
Virtual LAN features	MAC address-based VLAN, Private VLAN, Voice VLAN

Multicast features	
Multicast support	✔
Multicast Listener Discovery (MLD) snooping	✔

Protocols	
Management protocols	SNMP V1, V2, V3
GARP VLAN Registration Protocol (GVRP)	✔
Routing protocols	OSPF, OSPFv2, OSPFv3, RIP, RIP-1, RIP-2

Design	
Rack mounting *	✔
Stackable *	✔
Form factor	1U
Product colour	Black
LED indicators	✔
Airflow direction	Front-to-back airflow

Performance	
Built-in processor	✔
Processor model	ARM Cortex-A57
Processor frequency	1800 MHz
Memory type	DDR4-SDRAM
Internal memory	2048 MB
Flash memory	512 MB
sFlow	✔

Power	
Power source *	AC
Power supply included *	✔
Power consumption (typical)	99 W
Power consumption (max)	348 W

Power over Ethernet (PoE)	
Power over Ethernet (PoE) *	✔

Network

Number of VLANs	4093

Data transmission

Switching capacity *	176 Gbit/s
Throughput	130.94 Mpps
MAC address table *	16000 entries
Store-and-forward	✔
Latency (1 Gbps)	2.2 µs
Latency (10 Gbps)	0.7 µs
Jumbo frames support	✔
Jumbo frames	12000
Packet buffer memory	32 MB

Security

DHCP features	DHCP Option 150, DHCP Option 66, DHCP Option 67, DHCP relay, DHCP server, DHCP snooping
Access Control List (ACL)	✔
Access Control List (ACL) egress	1023
Access Control List (ACL) ingress	511
IGMP snooping	✔
IGMP proxy	✔
MAC address filtering	✔
Static port security	✔
Loop protection	✔
BPDU filtering/protection	✔
Authentication	Guest VLAN, MAC-based authentication
Root protection	✔
Password protection	✔
DoS attack prevention	✔
Authentication type	RADIUS, TACACS+
Queue scheduling algorithms	Strict Priority Queue (SPQ), Weighted random early detection (WRED)

Power over Ethernet (PoE)

Power over Ethernet plus (PoE+) ports quantity	48
Power over Ethernet (PoE) power per port	30 W
Total Power over Ethernet (PoE) budget	1440 W

Other features

Power supply	550 W

Operational conditions

Operating temperature (T-T)	0 - 45 °C
Storage temperature (T-T)	-20 - 70 °C
Operating relative humidity (H-H)	0 - 90%
Storage relative humidity (H-H)	0 - 95%
Operating altitude	0 - 3000 m
Non-operating altitude	0 - 3000 m

Weight & dimensions

Width	440 mm
Depth	400 mm
Height	43.2 mm
Weight	7.19 kg

Packaging content

Cables included	AC, USB Type-C
Quick start guide	✔
Rack mount kit	✔

Packaging data

Included power plug types	EU, UK, NA

Sustainability

Sustainability compliance	✔

Certificates

Compliance certificates	BSMI, CCC, CE, Federal Communications Commission (FCC), Low Voltage Directive (LVD)

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