

# HEF7028GM-10G-4SFP+ /24SFP



## Features

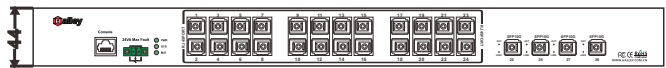
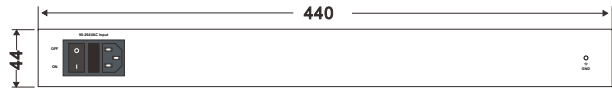
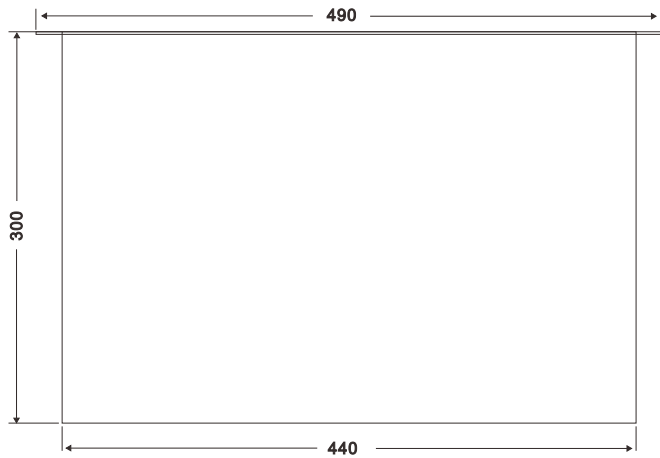
- IEEE802.1x Compatible
- Layer 2 Network Managed Switch
- Twenty-four(24) 1000Mbps SFP Ports
- Four(4) 10Gbps SFP+ Ports
- Redundant Ring with <20ms Link Switchover
- Network Standards: IEEE802.3 10BaseT, IEEE802.3u 100BaseT/TX and 1000BaseFX, IEEE802.3x Flow Control,
- IEEE1588PTP, IEEE1000Base-x, 1000Base-x
- Network Protocols: IGMP V1/V2/V3, SNMP V1/V2C/V3, DHCP, TFTP, SNTP, RMON,
- HTTP, HTTPS, TELNET, SSH, SYSLOG
- Supports RSTP / STP 802.1w/d/s, IEEE802.1D
- Enhanced Mechanisms through QoS, TOS / DiffServ
- Supports VLAN, QVLAN IEEE 802.1q, IEEE802.1AD for Network Management
- Employs 802.3ad, LACP for Bandwidth Optimization
- Supports ACL and Hardware Filtration
- Supports LLDP for Network Topology Discovery, IEEE802.1AB
- LED Indicators for Link, Activity, Data Rate
- Configuring, Debugging via Web, Telnet, SSH, Serial Port
- Port Loopback for Broadcast Storm Protection
- Relay Alarm Output for Power Failure
- Din-rail, Wall Mount, fan-less Aluminum Enclosure
- Industrial Temperature Version, IP40 Protection
- 95-245VAC Voltage, Dual (2) Input
- Compliance with CE, FCC, ROHS
- PoE or PoE+ Selectable

## 28 ports 10G industrial managed switches

HEF7424GM-4SFP+ is a Layer 2, network managed Industrial Ethernet Fiber Switch with twenty-four(24) 1000Mbps SFP Ports and four (4) 10Gbps selectable SFP+ options. Units feature Full / Half Duplex Auto-Negotiation, 10/100/1000Base Auto-sensing and compatibility with major Network Protocols. The optical interfaces operate at a 1000Mbps Ethernet rate. Redundant ring, plug-and-play performance, ensures ease of installation; no user electrical or optical adjustments are required. Features included are advanced network management functions as QoS, VLAN, IGMP, snooping / GMRP, Port Trunking, SNMP V1/V2/V3 RTSP/STP and LLDP; low power consumption, LED indicators for monitoring equipment link, operating status activity and auto resettable voltage transient fuses. Additionally, they are designed with fan-less, IP40 rated Aluminum enclosures in industrial extended temperature version. The Series HEF7424GM-4SFP+ is outstanding products in transmission of 10/100/1000Mbps Ethernet signals for industrial Layer 2 Managed Network Installation.

# HEF7028GM-10G-4SFP+/24SFP

## Product Dimensions



( Unit ) : mm

## Specifications

### DATA

Data Interface: 24 x 1000 Base FX SFP Ports; 4 x 10Gbps SFP+ slots,
Data Rate: 1000Mbps /10Gbps

### SWITCH PROPERTIES

MAC Table: 32
Switching Delay: <96μs
Packet Buffer: 4Mbit
Processing Type: Store and Forward
Port Locking Address: For Authorized only
Priority queues: 8
Maximum # of VLANs: 4096
IGMP groups: 256

### CONNECTORS

Optical: SFP Dependent
Power: Terminal Block
Management Console: RS-232, RJ-45

### OPTICAL PARAMETERS

Fiber Type: Depend on SFP modules
Wavelength Multimode: Depend on SFP modules
Wavelength Singlemode: Depend on SFP modules

### ALARM RELAY

Power Failure Relay: 1A @24VDC
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### ELECTRICAL/MECHANICAL

Input Power: 90V-264V AC
Power Consumption: 146W @220V
Rev. Connect/Redundancy: Support
Overload Circuitry: Support
Housing / Protection Class: Aluminum, fan-less / Ip40
Dimensions (W×H×D): 17.3x 11.8 x 1.7in(440 x300 x 44mm)
Weight: 3450g
Installation: Rack installation

### ENVIRONMENTAL

Operating Temp: -40°F to 185°F; -40°C to 85°C
Storage Temp: 58°F to 212°F; -50°C to 100°C
Relative Humidity: 5 - 95% non-condensing
MTBF: 411,000 hrs

### REGULATORY APPROVALS

EMI: FCC Part 15, EN55022 Class A
EMS: IEC61000-4-2, 4.3, 4.4, 4.5 IEC61000-4-6, 4.8, 4.9, 4.10 4.11
Vibration: IEC60068-2-6
Shock: IEC60068-2-27
Free Fall: IEC60068-2-32
Industrial: IEC61000-6-2, IEC61850-3
Safety: CE/EN60950
Compliance: ROHS
MIB: MIB-II, Ethernet-like MIB, P-BRIDGE MIB, Q-BRIDGE MIB, Bridge MIB, Private MIB, RMON MIB Group1, 2, 3, 9

## Ordering Information

MODEL	DESCRIPTION	SFP+	SFP	DISTANCE
HEF7028GM-10G-4SFP+/24SFP	24 x 1000 Base FX SFP Ports; 4 x 10Gbps SFP+ slots,	4	24	See SFP+/SFP options for optional distances, fiber type and connector type.