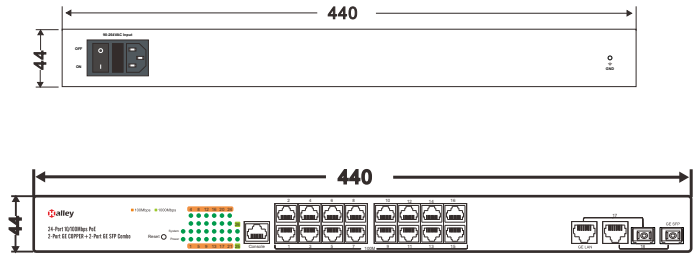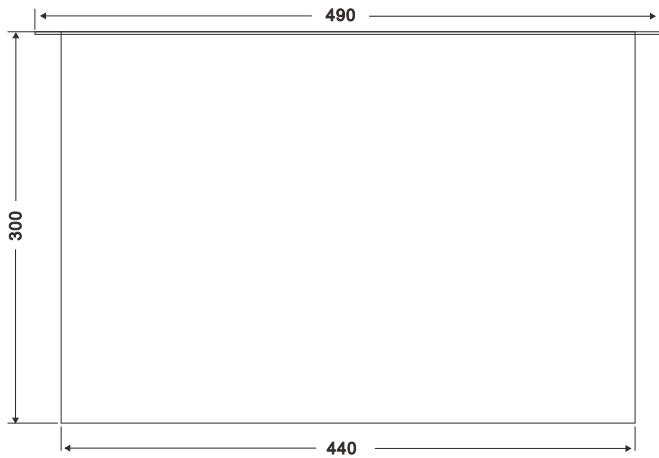# HEF1216M-2GC-16PoE

Features

- IEEE802.1x Compatible
- Layer 2 Network Managed Switch
- 2*10/100/1000M combo ports
- Twelve (16) 10/100BASE-T/TX Copper 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
- LED Indicators for Link, Activity, Data Rate
- Configuring, Debugging via Web, Telnet, SSH, Serial Port
- Port Loopback for Broadcast Storm Protection
- Industrial Temperature Version, IP30 Protection
- 95-240VAC Voltage, Dual (2) Input
- Compliance with CE, FCC, ROHS
- PoE Selectable

20 ports managed switches

HEF1216M-2GC-16PoE is a Layer 2, network managed Ethernet Fiber Switch with twenty-four(16)10/100Base-T(X) Rj45 Copper Ports and 2*10/100/1000M combo ports. Units feature MDI / MDIX Full / Half Duplex Auto-Negotiation, 10/100BaseAuto-sensing and compatibility with major Network Protocols. The optical interfaces operate at a 100Mbps 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 HEF1216M-2GC-16PoE is outstanding products in transmission of 10/100Mbps Ethernet signals for Layer 2 Managed Network Installation.

HEF1216M-2GC-16PoE

Product Dimensions

(Unit) : mm

Specifications

PORTS

16 x 10/100 Base-T(X), RJ-45
2 x 10/100/1000M combo ports

SWITCH PROPERTIES

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

POE PARAMETERS

Power of PoE: 48V, 15.4W
Poe pin : V+:1,V+:2,V-:3,V-:6

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

ELECTRICAL/MECHANICAL

Input Power: 95~240VDC with dual input
Power Consumption: 26W @220v(power consumption of switch without of the other POE equipments plan)
Rev. Connect/Redundancy: Support
Overload Circuitry: Support
Housing / Protection Class: Aluminum, fan-less / Ip40
Dimensions (W×H×D): 17.3 x 10.6 x 1.7in(440 x270 x 44mmmm)
Weight: 3700g
Installation: Independent use / Wall mount

ENVIRONMENTAL

Operating Temp: 32°F to 158°F; 0°C to 70°C
Storage Temp: 58°F to 212°F; -50°C to 100°C
Relative Humidity: 5 - 95% non-condensing
MTBF: 100,000 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	1000M COMBO	RJ 45	PoE	DISTANCE
HEF1224M-2GC-24PoE	24 x 10/100 Base-T(X), RJ-45 ,2 x 10/100/1000M combo ports	2	24	24	See SFP options for optional distances, fiber type and connector type.
HEF1216M-2GC-16PoE	16 x 10/100 Base-T(X), RJ-45 ,2 x 10/100/1000M combo ports	2	16	16	
HEF1224M-2GC	24 x 10/100 Base-T(X), RJ-45 ,2 x 10/100/1000M combo ports	2	24	–	
HEF1216M-2GC	16 x 10/100 Base-T(X), RJ-45 ,2 x 10/100/1000M combo ports	2	16	–	