

HEMC-400 Series

10/100Base-T Ethernet to Fiber Optic Media Converter



Media Converter Features:

- Complies with IEEE 802.3 standard
- Supports network traffic at a rate of 10Mbps
- 10M/100M and full/half duplex automatically configure
- Multimode and Singlemode systems available
- Systems available with TWO and ONE fiber transport capability
- Multiple optical wavelength and fiber cable options
- Easy installation

10 Slot Rack Features:

- High Performance Switch Power Supply.
- Double Power Redundancy Backup.
- Power Supply 100-220V AC.
- Operating 0~70 degrees C.
- Power LED indicator.
- Suitable for Standard Converter HEMC Series.



10 Slot Rack for Ethernet Fiber Optic Media Converters

Description:

The Multidyne HEMC-400 Series of Ethernet Fiber Optic Transceivers comply with the IEEE 802.3 Standard. The HEMC-400 is designed to convert data signal between 10/100 Base-Tx and 100 Base-Fx fast Ethernet. It supports 10BASE-T, 100BASE-TX, and 100BASE-FX applications. The data signal converted by HEMC-400 high performance media converter can be transmitted up to 100Km by 10Base-FL cable. The standard HEMC-400 is equipped with two fiber optic connectors (one for transmitting-Tx and the other for receiving-Rx) and one RJ-45 Jacks and one external power supply. The **HEMC421/411** provides ethernet transport over **ONE fiber**. The TX and RX optical signals are Wave-division Multiplexed (WDM) onto ONE fiber.

Six LED indicators are built-in for easy diagnosing and monitoring the status of power, UT UTP Activity, Fiber Link, Fiber Activity, Full duplex. It can automatically configure itself for 100 or 10 Mbps and Full Duplex or Half Duplex operation. It is compact, cost-effective, low power, high reliable and stable. It can be used in standalone applications, or Rack-Mounted applications where multiple media converter can be inserted into a rack-mount chassis, and allowing all the converters to be powered by a single internal power supply.

Specifications:

Parameter	HEMC481M HEMC482M	HEMC431M	HEMC431S -20, -40, -60	HEMC451S	HEMC421 HEMC411 -20 -60
Data rate (Mbps)	10/100				
Optical wavelength (nm)	850	1310	1310	1550	1310 & 1550
Fiber Type(um)	Multimode	Multimode	Singlemode	Singlemode	Singlemode
	62.5/125	62.5/125	9/125	9/125	9/125
Connector Type	SC, ST	SC, ST	SC	SC	SC
Optical Power, min			-18, -12, -8	-8	-18, -8
Sensitivity			-34, -36, -38	-38	-34, -38
Optical Budget, dBm	10	12	16, 24, 30	30	16, 30
Power Supply	1A@5VDC±5%				
Operating Temperature	0~+70°C				
Storage Temperature	-20~85°C				
Relative Humidity	5% to 80% non condensing				
Dimension	105mmx72mmx27mm (5V DC)				

Ordering Information:

	10/100Base-T Ethernet to Fiber Optic Media Converter , Multimode, TWO Fiber (SIN 58-6)
HEMC-481M-B12	Ethernet Fiber Optic Transceiver designed to convert data signal between 10/100 Base-Tx and 100 Base-Fx fast Ethernet. Includes 850nm Multimode optics with SC connectors . Power: -14dBm~-4dBm, Sensitivity: <-24dBm, Budget: 10dBm min. It supports 10BASE-T, 100BASE-TX, and 100BASE-FX applications. (Includes wall-mount power supply)
HEMC-482M-B12	Ethernet Fiber Optic Transceiver designed to convert data signal between 10/100 Base-Tx and 100 Base-Fx fast Ethernet. Includes 850nm Multimode optics with ST connectors . Power: -14dBm~-4dBm, Sensitivity: <-24dBm, Budget: 10dBm min. It supports 10BASE-T, 100BASE-TX, and 100BASE-FX applications. (Includes wall-mount power supply)
HEMC-431M-B12	Ethernet Fiber Optic Transceiver designed to convert data signal between 10/100 Base-Tx and 100 Base-Fx fast Ethernet. Includes 1310nm Multimode optics with SC connectors for up to 5KM distance . Power: -20dBm~-14dBm, Sensitivity: <-32dBm, Budget: 12dBm min. It supports 10BASE-T, 100BASE-TX, and 100BASE-FX applications. (Includes wall-mount power supply)
HEMC-432M-B12	Ethernet Fiber Optic Transceiver designed to convert data signal between 10/100 Base-Tx and 100 Base-Fx fast Ethernet. Includes 1310nm Multimode optics with ST connectors for up to 5KM distance . Power: -20dBm~-14dBm, Sensitivity: <-32dBm, Budget: 12dBm min. It supports 10BASE-T, 100BASE-TX, and 100BASE-FX applications. (Includes wall-mount power supply)
	10/100Base-T Ethernet to Fiber Optic Media Converter , Singlemode TWO Fiber (SIN 58-6)
HEMC-431S-40-B12	Ethernet Fiber Optic Transceiver designed to convert data signal between 10/100 Base-Tx and 100 Base-Fx fast Ethernet. It supports 10BASE-T, 100BASE-TX, and 100BASE-FX applications. Includes 1310nm Singlemode optics with SC connectors . Power: -8~-12dBm, Sensitivity: <-36dBm, Budget: 24dBm min. (Includes wall-mount power supply)
HEMC-431S-60-B12	Ethernet Fiber Optic Transceiver designed to convert data signal between 10/100 Base-Tx and 100 Base-Fx fast Ethernet. It supports 10BASE-T, 100BASE-TX, and 100BASE-FX applications. Includes 1310nm Singlemode optics with SC connectors . Power: -5~-8dBm, Sensitivity: <-38dBm, Budget: 30dBm min. (Includes wall-mount power supply)
HEMC-451S-B12	Ethernet Fiber Optic Transceiver designed to convert data signal between 10/100 Base-Tx and 100 Base-Fx fast Ethernet. It supports 10BASE-T, 100BASE-TX, and 100BASE-FX applications. Includes 1550nm Singlemode optics with SC connectors for up to 100KM distance. (Includes wall-mount power supply)
HEMC-4xx1S-B12	CWDM Ethernet Fiber Optic Transceiver designed to convert data signal between 10/100 Base-Tx and 100 Base-Fx fast Ethernet. It supports 10BASE-T, 100BASE-TX, and 100BASE-FX applications. Includes CWDM Singlemode optics with SC connectors for up to 100KM distance. Designate "xx" for the CWDM wavelength 1471=47, 1491=49, 1511=51, 1531=53, 1551=55, 1571=57, 1591=59, 1611=61 (Includes wall-mount power supply)
	10/100Base Fiber Optic Ethernet Media Transceiver, Singlemode ONE Fiber (SIN 58-6)
HEMC411SC20-35-B11	10/100Mbps, Fiber Optic Ethernet Media Transceiver, Singlemode ONE Fiber, SC Connector, 1310Tx/1550Rx, 20km (Includes wall-mount power supply) (Requires HEMC421SC20-53-B11)
HEMC421SC20-53-B11	10/100Mbps, Fiber Optic Ethernet Media Transceiver, Singlemode ONE Fiber, SC Connector, 1550Tx/1310Rx, 20km (Includes wall-mount power supply) (Requires HEMC411SC20-35-B11)
HEMC411SC60-35-B11	10/100Mbps, Fiber Optic Ethernet Media Transceiver, Singlemode ONE Fiber, SC Connector, 1310Tx/1550Rx, 60km (Includes wall-mount power supply) (Requires HEMC421SC60-53-B11)
HEMC421SC60-53-B11	10/100Mbps, Fiber Optic Ethernet Media Transceiver, Singlemode ONE Fiber, SC Connector, 1550Tx/1310Rx, 60km (Includes wall-mount power supply) (Requires HEMC411SC60-35-B11)
	Modular Utility Trays and Power Supplies: (SIN 58-6)
EMCR-10-2C2	10 Slots Rack for HEMC Series of Ethernet Media Converter; Double Power Redundancy Backup.

Interface connect:

