



#### Overview

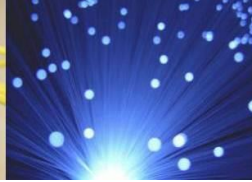
10/100M fast Ethernet optical media converter is a product used for high-speed Ethernet via optical transmission. It is capable of switching between twisted pair and optical and relaying 10/100 Base-TX to 100 Base-FX network segments, meeting long-distance and high-speed fast Ethernet workgroup users' needs, achieving high-speed remote interconnection for up to 120 km's relay-free computer data network.

#### Product Highlights

- Support 10Base-T、100Base-TX、100Base-FX
- Fully compatible with IEEE802.3、IEEE802.3u、IEEE802.3x standards
- Up to 120 km distance without any relay device
- Supported Ports: SC for optical fiber; RJ45 for twisted pair
- Auto-negotiation rate and full/half-duplex mode supported at twisted pair port
- Auto MDI/MDIX supported without need of cable selection
- Up to 6 LEDs for status indication of optical and UTP port
- Single-strand/double-strand optical port options
- External and built-in DC power supplies options
- Chassis supports redundant power input

#### Technical Specifications:

<p><b>Ethernet Port</b></p> <ul style="list-style-type: none"> <li>• Compatible with IEEE 802.3 series Standards</li> <li>• Speed: 10/100Mbps auto-negotiation</li> <li>• Duplex: Half/full auto-negotiation</li> <li>• Connectors: RJ45 Jack</li> <li>• Auto MDI/MDI-X</li> </ul>	<p><b>Optical Port</b></p> <ul style="list-style-type: none"> <li>• Wavelength: 850nm/1310nm/1550nm</li> <li>• Single mode/Multimode Optional</li> <li>• Single-Strand and double-strand optional</li> <li>• Up to 120km transmission distance</li> <li>• SC/PC, ST/PC and FC/PC optional</li> </ul>
<p><b>Power Inputs</b></p> <ul style="list-style-type: none"> <li>• AC: 100V~240V, 50/60Hz</li> <li>• DC: -48 VDC</li> <li>• Consumption: Standalone &lt; 3W; Chassis &lt;50W</li> </ul>	<p><b>Physical Dimensions</b></p> <ul style="list-style-type: none"> <li>• Standalone: 67.8mm (width) × 92.9mm (depth) × 26mm (height)</li> <li>• Rack mount Chassis: 485mm (width) , 231mm (depth), 90mm(height); 2U 19-inch</li> </ul>



### Environmental

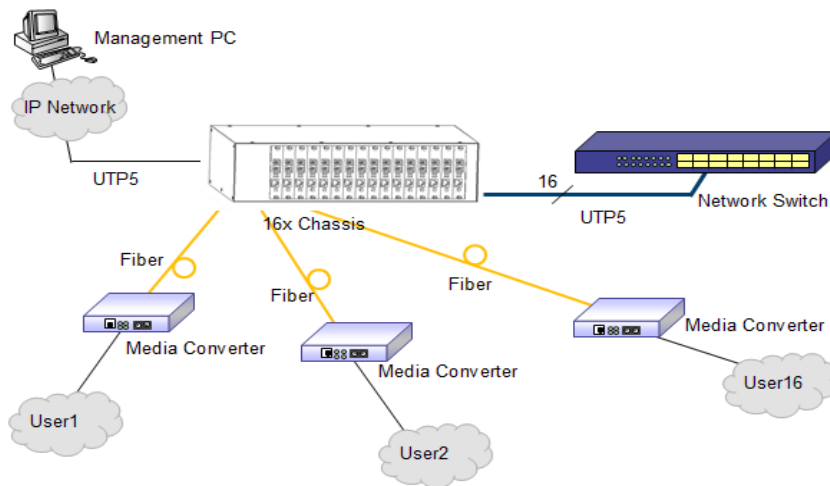
- **Standalone:**

- Operating Temperature: 0°C to +50°C
- Storage Temperature: -20°C to +70°C
- Operating Humidity: 5% to 90%

- **19-inch Chassis:**

- Operating Temperature: 0°C~50°C
- Storage Temperature: -20°C~85°C
- Operating Humidity: 5%~95%

## Typical Application



## Ordering information

	Model No.	Product Description
<b>For unmanaged converter</b>		
<b>Dual fiber</b>	INFM108-200SD0	Multi-mode, 850nm, SC Port, Standalone, 220V AC
	INFM008-200SD0	Multi-mode, 850nm, SC Port, Module Card, 220V AC
	INFM103-220SD0	Single-mode, 1310nm, SC Port, Standalone, 20 km, 220V AC
	INFM003-220SD0	Single-mode, 1310nm, SC Port, Module Card, 20 km, 220V AC
<b>Pair</b>	INFM103-120SB0	Single-mode, 1310/1550nm, SC Port, Standalone, 20 km, 220V AC (1 fiber)
	INFM005-120SB0	Single-mode, 1550/1310nm, SC Port, Module Card, 20 km, 220V AC (1 fiber)
<b>Pair</b>	INFM105-120SB0	Single-mode, 1550/1310nm, SC Port, Standalone, 20 km, 220V AC (1 fiber)
	INFM003-120SB0	Single-mode, 1310/1550nm, SC Port, Module Card, 20 km, 220V AC (1 fiber)
<b>For Chassis</b>		
	INFM216-01	16-slot module card chassis, support dual power supplies
	INFM214-01	14-slot standalone chassis, support dual power supplies



\*These figures are nominal values.

\*Infinite Cable System reserves the right to modify products and specifications without prior notice.