

IMC-SM1E1FSC-S

Ethernet to Fiber Media Converter 1 Ethernet, 1 SFP Ports

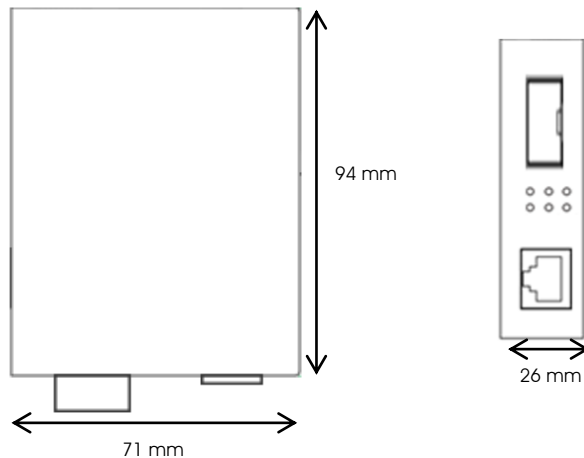
The IMC-SM1E1FSC-S is an Ethernet to fiber media converter designed to provide reliable and stable operation in indoor environments. Equipped with one 10/100Base-T RJ45 port and one 155Mbps SFP port it can be placed in Media Converter Chassis or equipment box.

Available as standalone, these media converters are easy to install with features such as plug-and-play, auto-negotiation and link down detection. It can be used in a wide range of applications such as intelligent transportation, rail transit, power industry, mining, petroleum, shipping and metallurgy.

Features and Benefits

- Ethernet to Fiber**
 Ethernet and SFP ports offers high speed conversion between serial interfaces and supports full and half duplex operations based on IEEE802.3x
- Network Extension**
 Meets the network extension needs for Ethernet and Fiber interfaces.
- Ease of Use**
 Plug and Play, no configuration required and unmanaged media converter
- Stable and Reliable**
 Galvanized Steel Enclosure, Low Power Consumption, Quiet Operation, LED Indicators, Port Lightning Protection
- Applications**
 Intelligent transportation, rail transit, power industry, mining, petroleum, shipping and metallurgy

CONSTRUCTION



IMC-SM1E1FSC-S

Ethernet to Fiber Media Converter 1 Ethernet, 1 SFP Ports

ETHERNET INTERFACE	
10/100BaseT RJ45 Port	1, Data
155Mbps SFP Port	1, Data
Magnetic Isolation Protection	1.5kV (built-in)
Ethernet Port Feature	10/100Base-T, Auto Sensing, Full/Half Duplex MDI/MDI-X Self Adaption
SFP Port Feature	155M SFP, Singlemode, Multimode, Dual Fiber
Forwarding Mode	Store and Forward at Full Wire Speed
Switching Capacity	1.0Gbps
Forwarding Rate @ 64 byte	0.30Mpps
MAC	1K
Buffer Memory	768K
Jumbo Frame	1536 bytes
ELECTRICAL	
Power Consumption	Standby 1W, Operational 3W
Power Source	5VDC
Anti-Reverse Protection	Supported
Overload Current Protection	Supported
LED Indicator	Power: Green, Network Link: Green
ENVIRONMENTAL	
Operating Temperature (C)	-20 to +55
Storage Temperature	-40 to +85
Operating Humidity	5% - 95% non condensing
MECHANICAL	
Dimensions (mm)	71 (w) x 26(h) 94(d)
Weight (g)	200
Housing	Galvanized Steel
Finish	Metallic Silver Power Coat, RAL 9006
Installation	Media Converter Chassis, Equipment Box
Lightning Protection	4KV 8/20us
Ingress Protection Rating	IP30

OPTICAL FIBER	Multimode	Singlemode
Wavelength	850nm	1310nm
Tx Output (dBm)	-3 to -10	-3 to -9
Rx Sensitivity (dBm)	-3 to -20	-3 to -21
Link Budget (dBm)	10	12
Typical Distance	500m	20km
NETWORK PROTOCOL		
IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3u 100Base-FX; IEEE802.3x		
STANDARDS COMPLIANCE		
IEC61000-4-2 ESD: ±8kV contact discharge, ±15kV air discharge IEC61000-4-3 RS: 10V/m(80~1000MHz) IEC61000-4-4 EFT: power cable: ±4kV; data cable: ±2kV IEC61000-4-5 Surge: power cable: CM±4kV/DM±2kV; data cable: ±4kV IEC61000-4-6 Radio Frequency Transmission: 10V(150kHz~80MHz) IEC61000-4-8 Power Frequency Magnetic Field: 100A/m; 1000A/m, 1s to 3s IEC61000-4-9 Pulsed Magnet Field: 1000A/m IEC61000-4-10 Damped Oscillation: 30A/m 1MHz IEC61000-4-12/18 Shockwave: CM 2.5kV, DM 1kV IEC61000-4-16 Common Mode Transmission: 30V; 300V, 1s		
Mechanical	IEC60068-2-6 Anti Vibration IEC60068-2-27 Anti Shock IEC60068-2-32 Free Fall	
Emissions	CCC; CE FCC Part 15 Subpart B Class B EN 55022:2010 IC ICES-003 Class B IEC61000-6-2 Common Industrial Standard	
Immunity	EN 55024:2010	
Safety	EN 60950-1, UL 60950-1, EU: 2001/95/EC GSPD RoHS	

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
IMC-SM1E1FSC-S	Infinique Ethernet to Fiber Media Converter, 1 x 10/100 Ethernet Port, 1 x 155Mbps FX Port, Singlemode, 20KM, includes Power Supply



Infinique, a Canadian company is a manufacturer of high performing end-to-end solutions in copper, fiber and video surveillance systems. For more information visit our website at www.infinique.com or email us at sales@infinique.com.