

IMC-SM1E1FLC-SP

Ethernet to Fiber Industrial Media Converter 1 Ethernet, 1 SFP Ports

The IMC-SM1E1FLC-SP is an industrial Ethernet to fiber media converter designed to provide reliable and stable operation in harsh environments. Equipped with one 10/100Base-T RJ45 port and one 1000Base-X SFP port it can be easily mounted on a DIN rail or equipment box.

Available as standalone type, these 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

Industrial Grade

DIN-Rail mountable, designed for harsh environments, can operate in high temperatures and provides EMI immunity

Stable and Reliable

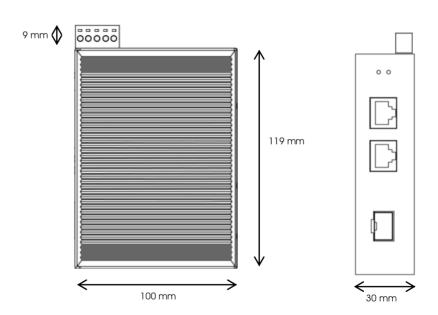
Aluminum Enclosure, Redundant Power Inputs, Low Power Consumption, Quiet Operation, LED Indicators, Port Lightning Protection,

Applications

Intelligent transportation, rail transit, power industry, mining, petroleum, shipping and metallurgy

CONSTRUCTION





IMC-SM1E1FLC-SP

Ethernet to Fiber Industrial Media Converter 1 Ethernet, 1 SFP Ports

1. Data		
1, Data		
1.5kV (built-in)		
10/100Base-T, Auto Sensing, Full/Half Duplex MDI/ MDI-X Self Adaption		
Gigabit SFP, Singlemode, Multimode, Dual Fiber		
Store and Forward at Full Wire Speed		
1.6Gbps		
0.30Mpps		
1K		
768K		
1536 bytes		
Standby 3W, Operational 5W		
DC12V-48V		
2 x V+, V- Redundant DC		
5 Pin Industrial Phoenix Terminal		
Default: 1/2 (+), 3/6 (-) optional: 4/5(+),7/8(-)		
Supported		
Supported		
Power: Green, Network Link: Yellow, Fiber Port: Green		
-40 to +80		
-40 to +85		
5% - 95% non condensing		
100 (w) x 119 (h) 30(d)		
500		
Aluminum Die Cast		
Black Power Coat, RAL 9005		
Din Rail Mounting / Equipment Box		
6KV 8/20us		
IP40		

OPTICAL FIBER	Multimode	I	Singlemode	
Wavelength	850nm	i	1310nm	
Tx Output (dBm)	-3 to -10	i	-3 to -9	
Rx Sensitivity (dBm)	-3 to -20		-3 to -21	
Link Budget (dBm)	10		12	
Typical Distance	500m		20km	
NETWORK PROTOC	COL			
IEEE802.3 10BASE-T; IEEE IEEE802.3u 100Base-TX; IEEE802.3x	,	X;		
STANDARDS COMP	PLIANCE			
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 Vib IEC60068-2-27 Anti St IEC60068-2-32 Free F	10	ck	
Emissions	CCC; CE FCC Part 15 Subpart I EN 55022:2010 IC ICES-003 Class B IEC61000-6-2 Comm			
Immunity	EN 55024:2010			
Safety	EN 60950-1, UL 60950 RoHS)-1	, EU: 2001/95/EC GPSD	

ORDERING INFORMATION			
PART NUMBER	DESCRIPTION		
IMC-SM1E1FLC-SP	Infinique Industrial Ethernet to Fiber Media Converter, 1 x 10/100Base-TX, 1 x 1000Base-FX Port, Singlemode, LC, 20KM, Din-Rail Mount, Excluding Power Supply		
IMC-MM1E1FLC-SP	Infinique Industrial Ethernet to Fiber Media Converter, 1 x 10/100Base-TX, 1 x 1000 Base-FX Port, Multimode, LC, 500M, Din-Rail Mount, Excluding Power Supply		
IMC-PWR-12-12	Infinique Industrial Power Supply, 12VDC, 12W, DIN-Rail Mount		



Infinique 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.