




The Signamax I-1100 Series industrial media converters are designed to connect Ethernet equipment to fiber optical cable that operates in the extreme environments like those found in industrial and outdoor applications. Housed in rugged enclosures, the I-1100 Series media converters feature excellent EMI protection and wide operating temperature ratings. With zero touch plug and play, the series is ideal for easy deployment of any industrial application.

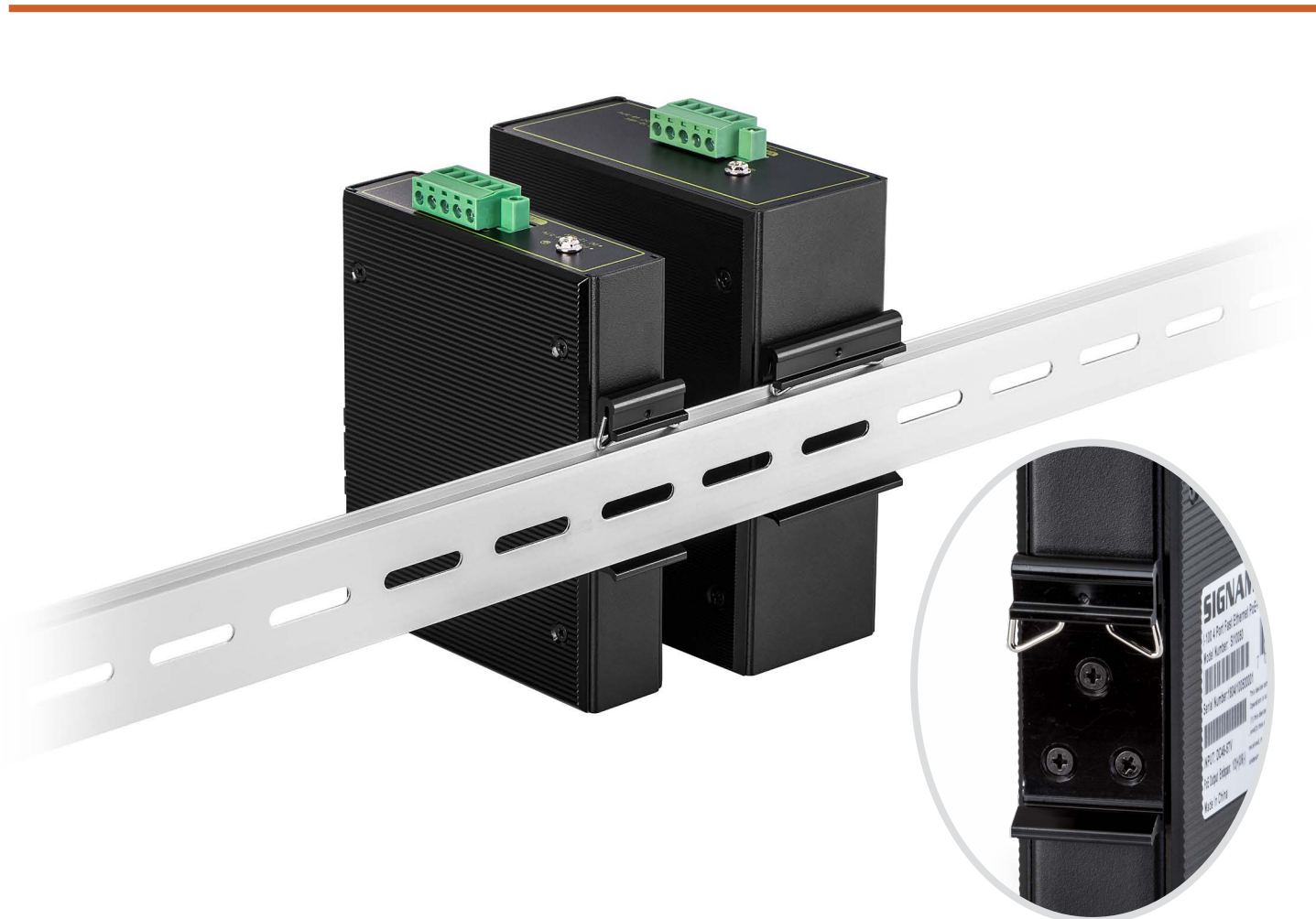





- Rugged IP40 enclosure with integrated DIN-Rail mounting bracket
- Wide operating temperature: -40 to 167°F
- Surge protection (4 kV LAN) for extreme outdoor environments
- Redundant terminal block DC inputs
- Overload and reverse polarity protection
- Zero touch Plug and Play connectivity
- Non-Blocking, wire speed media conversion
- PoE+ support
- Fixed fiber Multimode, Singlemode or SFP options
- 5 year hardware warranty & support at no additional cost

## I-1100 Series Models & Specifications

PART NUMBER		MI10010	MI10020	MI10031
<b>Converters</b>				
				
<b>Ports</b>	RJ-45 Ports	2 - 10/100/1000	2 - 10/100/1000	2 - 10/100
	Uplink Ports	2 - Gigabit SFP	2 - Gigabit SFP	1 - SC/MM
	PoE Ports	2	0	2
<b>PoE</b>	PoE Budget	60W	N/A	60W
	Max Power Consumption	64W	4W	64W
<b>Electrical Characteristics</b>	MTBF	539K hrs	539K hrs	539K hrs
	Dimensions (WxHxD)	1.2 x 4.7 x 3.9 in (3 x 11.9 x 10 cm)	1.2 x 4.7 x 3.9 in (3 x 11.9 x 10 cm)	1.2 x 3.6 x 3.5 in (3.1 x 9.2 x 8.8 cm)
<b>Physical Characteristics</b>	Weight	0.78 lb (0.35 kg)	0.78 lb (0.35 kg)	0.53 lb (0.24kg)
	Mounting	DIN-Rail Mountable	DIN-Rail Mountable	DIN-Rail Mountable

## Simple Installation



PART NUMBER		MI10041	MI10051	MI10061
<b>Converters</b>				
				
<b>Ports</b>	RJ-45 Ports	2 - 10/100	2 - 10/100	2 - 10/100
	Uplink Ports	1 - SC/SM	1 - SC/MM	1 - SC/SM
	PoE Ports	2	0	0
<b>PoE</b>	PoE Budget	60W	N/A	N/A
	Max Power Consumption	64W	4W	4W
<b>Electrical Characteristics</b>	MTBF	539K hrs	539K hrs	539K hrs
	Dimensions (WxHxD)	1.2 x 3.6 x 3.5 in (3.1 x 9.2 x 8.8 cm)	1.2 x 3.6 x 3.5 in (3.1 x 9.2 x 8.8 cm)	1.2 x 3.6 x 3.5 in (3.1 x 9.2 x 8.8 cm)
<b>Physical Characteristics</b>	Weight	0.53 lb (0.24 kg)	0.53 lb (0.24 kg)	0.53 lb (0.24 kg)
	Mounting	DIN-Rail Mountable	DIN-Rail Mountable	DIN-Rail Mountable

## Ordering Information

### MEDIA CONVERTERS

PART NO.	DESCRIPTION
MI10010	Gigabit SFP PoE+ Industrial Media Converter
MI10020	Gigabit SFP Industrial Media Converter
MI10031	10/100 to 100FX PoE+ Industrial Media Converter, SC/MM
MI10041	10/100 to 100FX PoE+ Industrial Media Converter, SC/SM
MI10051	10/100 to 100FX Industrial Media Converter, SC/MM
MI10061	10/100 to 100FX Industrial Media Converter, SC/SM

## Specifications

### PERFORMANCE

Supports 10K Jumbo Frames (MI10010 & MI10020)  
Wirespeed Forwarding

### LAYER 2

IEEE 802.3 10BaseT  
IEEE 802.3u 100BaseTX  
IEEE 802.3u 100BaseFX (except for MI10010 & MI10020)  
IEEE 802.3ab 1000BaseT  
IEEE 802.3 Auto-Negotiation  
SFP ports support IEEE 802.3z (1000SX/LX/LHX/ZX)  
IEEE 802.3x Flow Control

### ELECTRICAL CHARACTERISTICS

**DC Input Range:**  
**Non-PoE Models:** 12 ~ 48V DC, Dual Redundant  
**PoE Models:** 48 ~ 57V DC, Dual Redundant  
4kV LAN Surge protection  
Reverse polarity and overload current protection

### PoE

Support IEEE 802.3af/IEEE 802.3at on each port  
Dynamic Power Allocation

### ENVIRONMENTAL REQUIREMENTS

**Operating Temperature:** 40 to 167°F (-40 to 75°C)  
**Storage Temperature:** -40 to 185°F (-40 to 85°C)  
**Operating/Storage Humidity:** 5 to 95% (non-condensing)

### PHYSICAL CHARACTERISTICS

**Housing:** IP40 aluminum alloy case

### CERTIFICATIONS

**Emissions:** CE Mark: EN 55022, Class A; FCC Part 15 Class A  
**Safety:** CE/LVD EN60950

### WARRANTY

Five Years

# Accessories Ordering Information



## POWER SUPPLIES

AP10010	48W Industrial Power Supply - 24V DC (-40 to 158°F)
AP30010	120W Power Industrial Supply - 48V DC (-40 to 140°F)
AP30020	240W Power Industrial Supply - 48V DC (-40 to 140°F)

Visit [www.signamax.com](http://www.signamax.com) for specification information.

## SFP MODULES

PART NO.	DESCRIPTION
065-79SXMG-H	1000SX Extended Temperature SFP Module 850nm LC/MM, 550/220m
065-79LXMG-H	1000LX Extended Temperature SFP Module 131nm LC/SM, 10km
065-79ZXMG-H	1000ZX Extended Temperature SFP Module 1550nm LC/SM, 80km
AS11010	100FX Extended Temperature MM SFP for Gigabit Port, 2km
AS11020	100FX Extended Temperature SM SFP for Gigabit Port, 15km

For a complete list of SFP Modules visit [www.signamax.com](http://www.signamax.com).



# SIGNAMAX®

999 NW 159th Drive, Miami, FL 33169  
 T: 305-944-7710/800 446 2377 E: [sales@signamax.com](mailto:sales@signamax.com)

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[www.signamax.com](http://www.signamax.com)

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