

Product Specifications

I-120 Series Unmanaged PoE++ Switch and Injector

Signamax I-120 Series switches provide businesses a cost-effective way to connect high power Industrial devices with up to 95W PoE++ per port.





ORDERING INFORMATION

PART NO.	DESCRIPTION
SI12010	I-120 4 Port Gigabit PoE++ Switch with SFP Port
SI12020	I-120 Gigabit PoE++ Injector

KEY FEATURES

- Rugged IP40 enclosure with integrated DIN-Rail mounting bracket
- Wide operating temperature range: -40 to 167°F
- Surge Protection (4kV LAN) for extreme outdoor environments
- Zero touch Plug and Play connectivity
- 802.3bt PoE++ up to 95W per port
- Gigabit SFP uplink interface
- Non-Blocking switches with up to 12 Gbps Bandwidth Support
- 5 year hardware warranty & support for no additional cost

PART NUMBER		SI12010	SI12020
Switches			
Ports	PoE Ports	4 - 10/100/1000	1 - 10/100/1000
	Uplink Ports	1 x Gigabit SFP 1 x 10/100/100	0
Performance	Switching Capacity	12Gbps	N/A
	Forwarding Rate	8.93Mpps	N/A
PoE	PoE Budget	240W	95W
Electrical Characteristics	Max Power Consumption	246W	99W
Physical Characteristics	Dimensions	1.2 x 4.7 x 3.9 in (3 x 11.9 x 10 cm)	1.2 x 3.74 x 2.76 in (3 x 9.5 x 7 cm)
	Weight	0.78 lb (0.35 kg)	0.55 lb (0.25 kg)
	Fanless	Yes	Yes
	Mounting	DIN-Rail Mountable	DIN-Rail Mountable

SFP MODULES

PART NO.	DESCRIPTION
065-79SXMG-H	1000SX Extended Temperature MultiMode SFP Module 850nm up to 550m
065-79SXEDMG-H	1000SX Extended Temperature , Extended Distance Multimode SFP Module 1310nm up to 2km
065-79LXMG-H	1000LX Extended Temperature Singlemode SFP module 1310nm up to 10km
AS11010	100FX for GE Port Extended Temperature Multimode SFP module 1310nm up to 2km
AS11020	100LX for GE Port Extended Temperature Singlemode SFP module 1310nm up to 15km

For a complete list of SFP Modules visit www.signamax.com.

SPECIFICATIONS

PERFORMANCE

- 8K MAC Addresses
- 4Mb Packet Buffer
- Supports 10K Jumbo Frames
- Wirespeed Forwarding

LAYER 2

- IEEE 802.3 10BaseT
- IEEE 802.3u 100BaseTX
- IEEE 802.3ab 1000BaseT
- IEEE 802.3 Auto-Negotiation
- IEEE 802.3x Flow Control

PoE

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

ELECTRICAL CHARACTERISTICS

- 48 ~ 57V DC, Dual Redundant (apart from SI12020)
- 4kV LAN Surge Protection
- Reverse polarity and overload current protection
- MTBF:** 100K hrs

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)

CERTIFICATIONS

- CE Mark: EN 55022, Class B; FCC Part 15 Class B; VCCI Class B
- ESD:** IEC61000-4-2/3/4/5/6/8/9/10/12/16, IEC61000-6-2
- Mechanical:** IEC60068-2-6/27/32
- Safety: CE/LVD EN60950

WARRANTY

- Five Years (Including power supply)

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