



The Signamax I-100 Series industrial switches provide businesses a cost-effective solution for applications that operate in extreme environments like those found in industrial and outdoor applications. Housed in rugged enclosures, the I-100 Series switches 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.

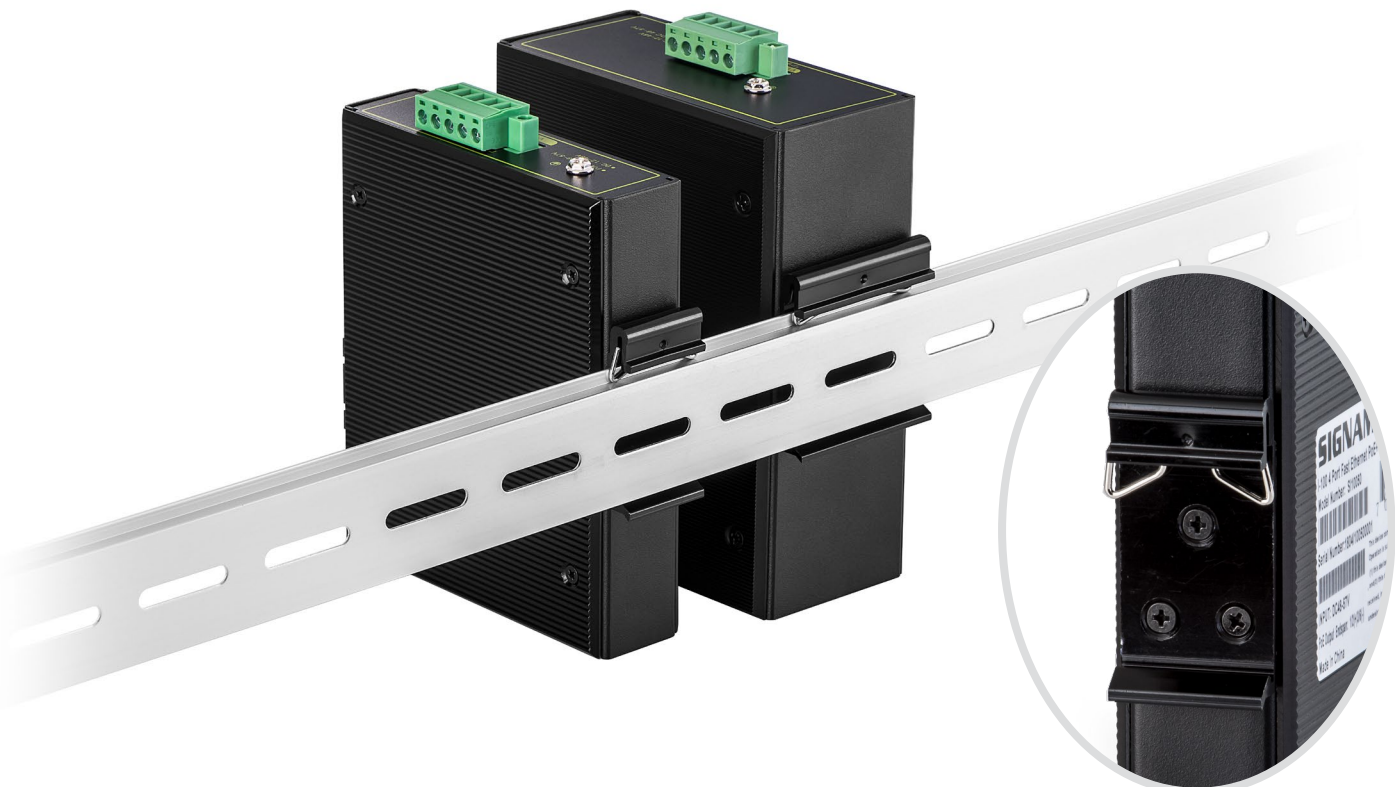





- Rugged IP40 enclosure with integrated DIN-Rail mounting bracket
- Wide operating temperature: -40 to 167°F
- Surge protection (4 kV LAN) for extreme outdoor environments
- Redundant terminal block DC inputs
- Overload and reverse polarity protection
- Zero touch Plug and Play connectivity
- Non-Blocking switches with up to 20Gbps bandwidth support
- Up to 240 watts PoE+ support
- Gigabit SFP ports on select options
- 5 year hardware warranty & support at no additional cost

I-100 Series Models & Specifications

PART NUMBER		SI10011	SI10021
Switches			
Ports	RJ-45 Ports	8 - 10/100/1000	8 - 10/100/1000
	Gigabit SFP Ports	2	2
	PoE Ports	8	0
PoE	PoE Budget	240W	N/A
Performance	Switching Capacity	20Gbps	20Gbps
	Forwarding Rate	14.9Mpps	14.9Mpps
	Packet Buffer	4Mb	4Mb
	MAC Addressing	8K	8K
Electrical & Environmental	Max Power Consumption	244W	4W
	MTBF	539K hrs	539K hrs
	Operating Temperature	-40 to 167 °F (-40 to 75 °C)	-40 to 167 °F (-40 to 75 °C)
Physical Characteristics	Dimensions	1.9 x 5.7 x 5.3 in (4.8 x 14.5 x 13.4 cm)	1.9 x 5.7 x 5.3 in (4.8 x 14.5 x 13.4 cm)
	Weight	1.83 lb (0.83 kg)	1.83 lb (0.83 kg)
	Mounting	DIN-Rail Mountable	DIN-Rail Mountable

Simple Installation



PART NUMBER		SI10031	SI10041	SI10050
Switches				
Ports	RJ-45 Ports	4 - 10/100/1000	4 - 10/100/1000	6 - 10/100
	Gigabit SFP Ports	2	2	0
	PoE Ports	4	0	4
PoE	PoE Budget	120W	N/A	120W
Performance	Switching Capacity	12Gbps	12Gbps	1.2Gbps
	Forwarding Rate	8.9Mpps	8.9Mpps	0.9Mpps
	Packet Buffer	2Mb	2Mb	448Kb
	MAC Addressing	8K	8K	1K
Electrical & Environmental	Max Power Consumption	124W	4W	124W
	MTBF	539K hrs	539K hrs	539K hrs
	Operating Temperature	-40 to 167 °F (-40 to 75 °C)	-40 to 167 °F (-40 to 75 °C)	-40 to 167 °F (-40 to 75 °C)
Physical Characteristics	Dimensions	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 4.7 x 3.9 in (3 x 11.9 x 10 cm)
	Weight	1.20 lb (0.54 kg)	1.20 lb (0.54 kg)	0.78 lb (0.35 kg)
	Mounting	DIN-Rail Mountable	DIN-Rail Mountable	DIN-Rail Mountable

Ordering Information

INDUSTRIAL SWITCHES	
PART NO.	DESCRIPTION
SI10011	8 Port Industrial Gigabit PoE+ Switch
SI10021	8 Port Industrial Gigabit Switch
SI10031	4 Port Industrial Gigabit PoE+ Switch
SI10041	4 Port Industrial Gigabit Switch
SI10050	4 Port Industrial Fast Ethernet PoE+ Switch

Specifications

PERFORMANCE

- Supports 10K Jumbo Frames (except SI10050)
- Wirespeed Forwarding

LAYER 2

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

ENVIRONMENTAL REQUIREMENTS

- 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

PoE

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

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

CERTIFICATIONS

- 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 for specification information.



SFP MODULES

PART NO.	DESCRIPTION
065-79SXMG-H	1000SX Multi-Mode SFP Module 850nm up to 550m
065-79LXMG-H	1000LX Single-Mode SFP module 1310nm up to 10km
065-79ZXMG-H	1000ZX Single-Mode SFP Module 1550nm up to 80km

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



SIGNAMAX®

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

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