PACSystems™ Industrial Ethernet Switches

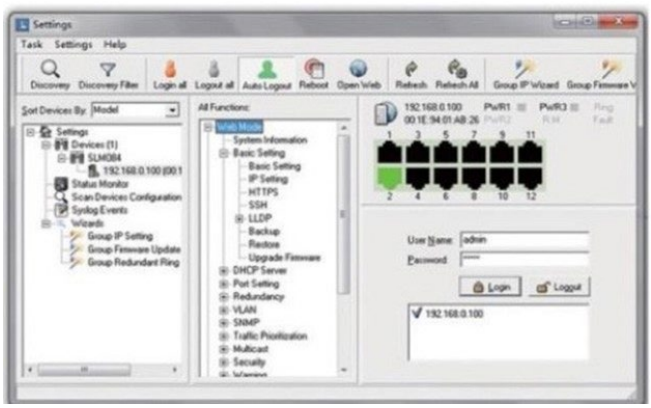
Provide Fast, Seamless, and Resilient Connectivity

At Emerson, we've thought differently about what you need at the point of control and have engineered powerful, rugged, and compact industrial Ethernet switches to provide critical machine-to-machine information:

- Standalone and connected devices to support unmanaged, fully managed, rack mounted, and PROFINET applications
- Designed for plant process areas to work in harsh environments subject to extreme, temperatures, humidity, and vibration
- Work with an Ethernet LAN to replace proprietary networks, improve network reliability, and simplify deployment

High performance & Connectivity

Our industrial-grade managed Ethernet switches, with redundant ring technology, reliably support the largest amounts of real-time data in the market. Managed switches protect your mission-critical applications from network interruptions or temporary malfunctions with Fast Network Recovery technology. PACSystems industrial Ethernet switches offer one of the fastest recovery times in the industry.



Rugged & Reliable

PACSystems industrial Ethernet switches are uniquely designed with redundant power inputs, the broadest operating temperature range available, and Fast Network Recovery technology to enable outstanding reliability and stability in harsh environments.

This superior, rugged design makes the PACSystems industrial Ethernet Switch ideal for Pipeline, Transportation, Well2Tank, Water/ Waste Water, and other demanding applications.

Easy to Troubleshoot

Available PROFINET Managed switches make it easier for OT Operators to troubleshoot since they can view the switches as part of their control system. With the network management software, the network administrator can manage centralized configuration, visualize management, and complete network monitoring with an early warning system. These features work together to maintain a stable and reliable industrial network.

For more information:
www.Emerson.com/PACSystems

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Unmanaged & Lite Managed Switch Specification

Part Number	IC086SLN050	IC086SLN080	IC086SLN240	IC086SLN042MM IC086SLN042SS	IC086SLM042MM IC086SLM042SS
Managed	No	No	No	Yes	Yes
10/100BaseT(X) Ports	5	8	24	4	4
100Base-FX Ports	-	-	-	2 (SC Connector)	2 (SC Connector)
Fiber Mode	-	-	-	MM – Multi Mode SS- Single Mode	MM – Multi Mode SS- Single Mode
Ethernet Standard	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3x for Flow control		IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX IEEE 802.3x for Flow control	IEEE 802.3: 10Base-T IEEE 802.3u: 100Base-TX and 100Base-FX IEEE 802.3x for Flow control IEEE 802.1D: STP IEEE 802.1w: RSTP IEEE 802.1AB: LLDP)	
MAC Table	1024	2048	8192	2048	1024
Processing	Store-and-Forward	Store-and-Forward	Store-and-Forward	Store-and-Forward	Store-and-Forward
Redundant Input Power	Yes	Yes	Yes	Yes	Yes
Power Consumption (Typ.)	3 Watts	4 Watts	9.6 Watts	7 Watts	7 Watts
Overload Current Protection	Yes	Yes	Yes	Yes	Yes
Reverse Polarity Protection	Yes	Yes	Yes	Yes	Yes
Enclosure	IP30	IP30	IP30	IP30	IP30
Dimensions (W x D x H in mm)	26.1 × 70 × 95	26.1 x 94.9 x 144.3	96 .4x108.5 x 154	52 x 106.1 x 144.3	52 x 106.1 x 145.4
Weight	205g	391g	1052g	382g	670g
Storage Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Operating Temperature	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
Operating Humidity	5% to 95% non-condensing	5% to 95% non-condensing	5% to 95% non-condensing	5% to 95% non-condensing	5% to 95% non-condensing

Part Number	IC086SLN050	IC086SLN080	IC086SLN240	IC086SLN042MM IC086SLN042SS	IC086SLM042MM IC086SLM042SS
EMI	FCC Part 15, CISPR (EN55022) class A				
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11				
Shock	IEC60060-2-27				
Free Fall	IEC60068-2-32				
Vibration	IEC60068-2-6				
Safety	EN62368-1				

Managed Switch Specification

Part Number	IC086SLM082	IC086SLM162	IC086SLM084
10/100Base-T(X) Ports	8	16	-
10/100/1000Base-T(X) Ports	-	-	8
100/1000Base-X SFP Port	2	-	12
Gigabit Combo Port with 10/100/1000Base-T(X) and100/1000Base-X SFP ports	-	2	-
Ethernet Standard	IEEE 802.3: 10Base-T IEEE 802.3u: 100Base-TX and 100Base-FX IEEE 802.3z 1000Base-X IEEE 802.3x: flow control IEEE 802.3ad: LACP IEEE 802.1D: STP IEEE 802.1p: COS IEEE 802.1Q: VLAN tagging IEEE 802.1W: RSTP IEEE 802. 1s: MSTP IEEE 802.1X: Authentication IEEE 802.1AB: LLDP		IEEE 802.3: 10Base-T IEEE 802.3u: 100Base-TX and 100Base-FX IEEE 802.3z: 1000Base-X IEEE 802.3ab: 1000Base-T IEEE 802.3x : flow control IEEE 802.3ad: LACP IEEE 802.1D: STP IEEE 802. 1p: COS IEEE 802.1Q: VLAN tagging IEEE 802.1W: RSTP IEEE 802.1s: MSTP IEEE 802.1x : Authentication IEEE 802.1AB: LLDP
MAC Table	8192		8192
Processing	Store-and-Forward		Store-and-Forward
Jumbo Frame	-		9.6K