

PACSystems Industrial Ethernet Switches

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) and 100/1000Base-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

Managed Switch Specification (Continued)

Part Number	IC086SLM082	IC086SLM162	IC086SLM084
Security Feature	Enable/Disable ports, MAC based ports security, Port-based network access control (802.1x), support Q-in-Q VLAN for performance & security to expand the VLAN space. VLAN top segregate and secure network traffic, RADIUS centralized password management, SNMP v 1/v2c/v3 encrypted authentication and access security		Device blinding security feature. Enable/Disable ports. MAC-based port security. Port-based network access control (802.1x). VLAN to segregate and secure network traffic. RADIUS centralized password management. SNMP v3 encrypted authentication and access security.
Software Feature	STP/RSTP/MSTP (IEEE802.1D/w/s) Redundant Ring with recovery time less than 10ms over 250 units. TOS/ Diffserv supported. Quality of Service (802.1p) for real-time traffic. VLAN (802.1Q) with VLAN tagging and GVRP supported IGMP Snooping for multicast filtering. Port configuration, status, statistics, monitoring, security. SNTP for synchronizing of clocks over network. Support 1588 PTP Client (Precision Time Protocol) clock synchronization. DHCP Server / Client support. Port Trunk support. MVR (Multicast VLAN Registration)		STP/RSTP/MSTP (IEEE 802.1D/w/s). Redundant Ring with recovery time less than 30ms over 250 units. TOS/Diffserv supported. Quality of Service (802.1p) for real-time traffic. VLAN (802.1Q) with VLAN tagging and GVRP supported. IGMP Snooping. IP-based bandwidth management. Application-based QoS management. DOS/ DDOS auto prevention. Port configuration, status, statistics, monitoring, security. DHCP Client/ Server.
Network Redundancy	STP, RSTP, MSTP Redundant-Ring		STP, RSTP, MSTP Redundant-Ring
QoS	Yes		Yes

Managed Switch Specification (Continued)

Part Number	IC086SLM082	IC086SLM162	IC086SLM084
Warning/ Monitoring	Relay output for fault event alarming. Syslog server / client to record and view events. Include SMTP for event warning notification via email. Event selection support.		Relay output for fault event alarming. Syslog server/ client to record and view events. Include SMTP for event warning notification via email. Event selection support.
Redundant Input Power	Triple DC inputs. 12~48VDC on 7-pin terminal block, 12~45VDC on power jack	Dual DC inputs. 12~48 VDC on 6-pin terminal block	Dual DC inputs. 12~48 VDC on 6-pin terminal block
Power Consumption (Typ.)	9 Watts	12 Watts	16.8 Watts
Overload Current Protection	Yes	Yes	Yes
Reverse Polarity Protection	Yes	Yes	Yes
IP degree	IP30	IP30	IP30
Dimension (W x D x H in mm)	52 x 106.1 x 144.3	96.4 x 108.5 x 154	96.4 x 108.5 x 154
Weight	730g	1220g	1210g
Storage Temp	-40°C to +85°C		
Operation Temp	-40°C to +70°C		
Operation Humidity	5% to 95% non-condensing		
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	IEC60068-2-27		
free fall	IEC60068-2-32		
Vibration	IEC60068-2-6		
Safety	EN60950-1	EN62368-1	EN60950-1