

Rack Mounted Switch Specification

Part Number	IC086SLM242	IC086SLM168
10/100Base-T(X)	24	-
100/1000Base-X SFP Port	-	8
Gigabit Combo Port with 10/100/1000Base-T(X) and 100/1000Base-X SFP	2	16
Ethernet Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX IEEE 802.3z for 1000Base-X IEEE 802.3x for Flow control IEEE 802.3ad for LACP (Link Aggregation Control Protocol) IEEE 802.1D for STP (Spanning Tree Protocol) IEEE 802.1p for COS (Class of Service) IEEE 802.1Q for VLAN Tagging IEEE 802.1w for RSTP (Rapid Spanning Tree Pro-tocol) IEEE 802.1x for Authentication IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX IEEE 802.3z for 1000Base-X IEEE 802.3x for Flow control IEEE 802.3ad for LACP (Link Aggregation Control Protocol) IEEE 802.1p for COS (Class of Service) IEEE 802.1Q VLAN Tag IEEE 802.1w for RSTP (Rapid Spanning Tree Pro-tocol) IEEE 802.1s for MSTP (Multiple spanning tree protocol) IEEE 802.1x for Authentication IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)
MAC Table	8192	8192
Priority Queues	4	4
Processing	Store-and-Forward	Store-and-Forward
Switch Properties	Switching latency: 7 us Switching bandwidth: 8.8Gbps Max. Number of Available VLANs: 4095 IGMP multicast groups: 256 for each VLAN Port rate limiting: User Define	Switching latency: 7 us Switching bandwidth: 48Gbps Max. Number of Available VLANs: 4095 IGMP multicast groups: 256 for each VLAN Port rate limiting: User Define
Jumbo Frame	9.6K	9.6K

Rack Mounted Switch Specification (Continued)

Part Number	IC086SLM242	IC086SLM168
Security Feature	<p>Enable/disable ports, MAC based port security Port based network access control (802.1x) VLAN (802.1Q) to segregate and secure network traffic</p> <p>Radius centralized password management SNMP V1/V2c/V3 encrypted authentication and access security</p>	<p>HTTPS/SSH Enhanced network security protocol Safety device binding</p> <p>Enable/disable ports, MAC based port security Port based network access control (802.1x) single 802.1x and multi 802.1x</p> <p>MAC address based authentication QoS distribution</p> <p>Visitor VLAN</p> <p>The MAC address restriction</p> <p>Authentication and authorization of Web and CLI VLAN (802.1Q) to segregate and secure network traffic</p> <p>Radius centralized password management SNMP V1/V2c/V3 encrypted authentication and access security</p>
Software Feature	<p>STP/RSTP (IEEE 802.1D/w)</p> <p>Redundant Ring with recovery time less than 10ms over 250 units</p> <p>Quality of Service (802.1p) for real-time traffic VLAN (802.1Q) with VLAN tagging and GVRP supported</p> <p>IGMP v2/v3 (IGMP snooping support) for multi- cast filtering</p> <p>Port configuration, status, statistics, monitoring, security</p> <p>SNTP for synchronizing of clocks over network DHCP Server / Client support</p> <p>Port Trunk support</p>	<p>STP/RSTP (IEEE 802.1D/w)</p> <p>Redundant Ring with recovery time less than 30ms over 250 units</p> <p>Quality of Service (802.1p) for real-time traffic VLAN (802.1Q) with VLAN tagging and GVRP supported</p> <p>IGMP snooping</p> <p>Bandwidth management based on IP</p> <p>Management application based on QoS</p> <p>DoS/DDoS automatic defense</p> <p>Port configuration, monitoring, security, state DHCP client / server / relay</p> <p>SMTP client</p> <p>Modbus TCP</p>
Network Redundancy	Redundant-Ring, STP, RSTP	Redundant-Ring, STP, RSTP, MSTP
QoS	Yes	Yes
Warning/ Monitoring	<p>The fault alarm output</p> <p>Through the system log /server/client record and browse events</p> <p>Support SMTP through Email issued warning notice</p> <p>Support system log event selection</p>	<p>Through the system log /server/client record and browse events</p> <p>Support SMTP through Email issued warning notice</p> <p>Support system log event selection</p>

PACSystems Industrial Ethernet Switches

Part Number	IC086SLM242	IC086SLM168
Input Power	Dual 100-240VAC	100-240VAC
Power Consumption (Typ.)	15.2 W	28.2 W
Overload Current Protection	Yes	-
IP degree	IP30	IP30
Dimension (W x D x H mm)	440 x 200 x 44	431 x 342 x 44
Weight (g)	2695g	4117g
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 (EN55032) 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	EN62368-1	