

iES6-S

Industrial 6 Port Lite-managed Ethernet Switch

Product Overview



The iES6-S is an industrial 6 Port lite-managed Ethernet switch with 4 x 10/100Base-T(X) RJ45 ports and 2 x 100Base-X SFP ports or 2 x 100FX ports.

The iES6-S provides redundancy support through functions such as RSTP assuring protection of all mission critical network applications. iES6-S can be managed via the Web UI, iManage Software Suite, Telnet, and Console (CLI).

The switch is made of IP-40 galvanized steel and has a wide operating temperature range from -40°C to +85°C, which is suitable for the harshest of environments without the use of fans.



Tel: +1 905-670-0004
Toll Free : +1 844-520-0588
Technical Support: +1 844-475-8324
Email: info@is5com.com
www.is5com.com





Features

Table 1. Features

Feature	
Supports:	<ul style="list-style-type: none">• RSTP (IEEE 802.1 D-2004)• LLDP (Link Layer Discovery Protocol)• Port-based VLAN• SNTP for synchronizing the switch's clocks
SNMP v1 / v2c /v3	
Multiple alarm notification methods	
Configurable by Web browser, Telnet, Console(CLI), iManage software running on Windows 10, NT/2000/XP/2003/VISTA/7	
DIN rail and panel mount	



Product Specifications

Table 2. Technical Specification

Description	Specification
10/100Base-T(X) RJ45 Ports Auto MDI/MDIX	4
100Base-X SFP Ports or 100FX Ports	Up to 2
RS-232 Serial Console Port	RS-232 in RJ45 connector with console cable: 9600 bps, 8, N, 1
Warning / Monitoring System	Relay output for fault event alarming 2 alarm warning methods for system events supported: <ul style="list-style-type: none"> • SYSLOG with server / client structure; recording and viewing events in the System Event Log • SMTP for notification via email Event selection per port
Alarm	Relay output to carry capacity of 1 A at 24 VDC
Technology	
MAC Table	1024 MAC addresses
Priority Queues	4
Processing	Store-and-Forward
Switch Properties	Switching latency: 7 μ s Switching bandwidth: 1.2 Gbps
Security Features	<ul style="list-style-type: none"> • RSTP (IEEE 802.1 D-2004) • Enable / disable ports • Port-based VLAN • SNMPv3 authentication and privacy encryption • Web and CLI authentication
Software Features	<ul style="list-style-type: none"> • Web or CLI based Management (Console or Telnet) • Redundancy— RSTP, Fast Recovery, and Ring • LLDP • Supports SNMPv1/v2/v3 • Warnings (Syslog and SMTP) and Fault Alarm (power and port failure) • SNTP for synchronizing of clocks over network
Network Redundancy	<ul style="list-style-type: none"> • RSTP (IEEE 802.1 D-2004) • Fast Recovery • Ring
Physical Characteristics	
Enclosure	IP-40 Galvanized Steel
Dimensions (W x D x H)	65.13 (W) x 160.49 (D) x 191.26 (H) mm (2.56 x 6.32 x 7.53 inches)
Weight (g)	~700 g



Description	Specification
Power	
Input Power	Dual Inputs 10-48VDC, Single Input 36-75VDC with Single 10-48VDC Backup, or Single Input 110-370VDC or 90-264VAC with Single 10-48VDC Backup
Power Consumption (Typ.)	7 Watts
Overload Current Protection	Present
Reverse Polarity Protection	Internal



Table 3. Compliance Specifications

Type	Standards
Electromagnetic Emissions	FCC Part 15, CISPR (EN55022) class A,
Electromagnetic Immunity	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
Safety Standards	EN60950-1
Operating Environment	-40°C to +85°C (-40° to 185°F) (no fans) EN 60068-2-21
Storage Environment	-40°C to +85°C (-40° to 185°F) EN 60068-2-14
Operating Humidity	5% to 95% Non-condensing EN 60068-2-30
Shock	IEC60068-2-27
Free Fall	IEC60068-2-32
Vibration	IEC60068-2-6
Warranty	5 years

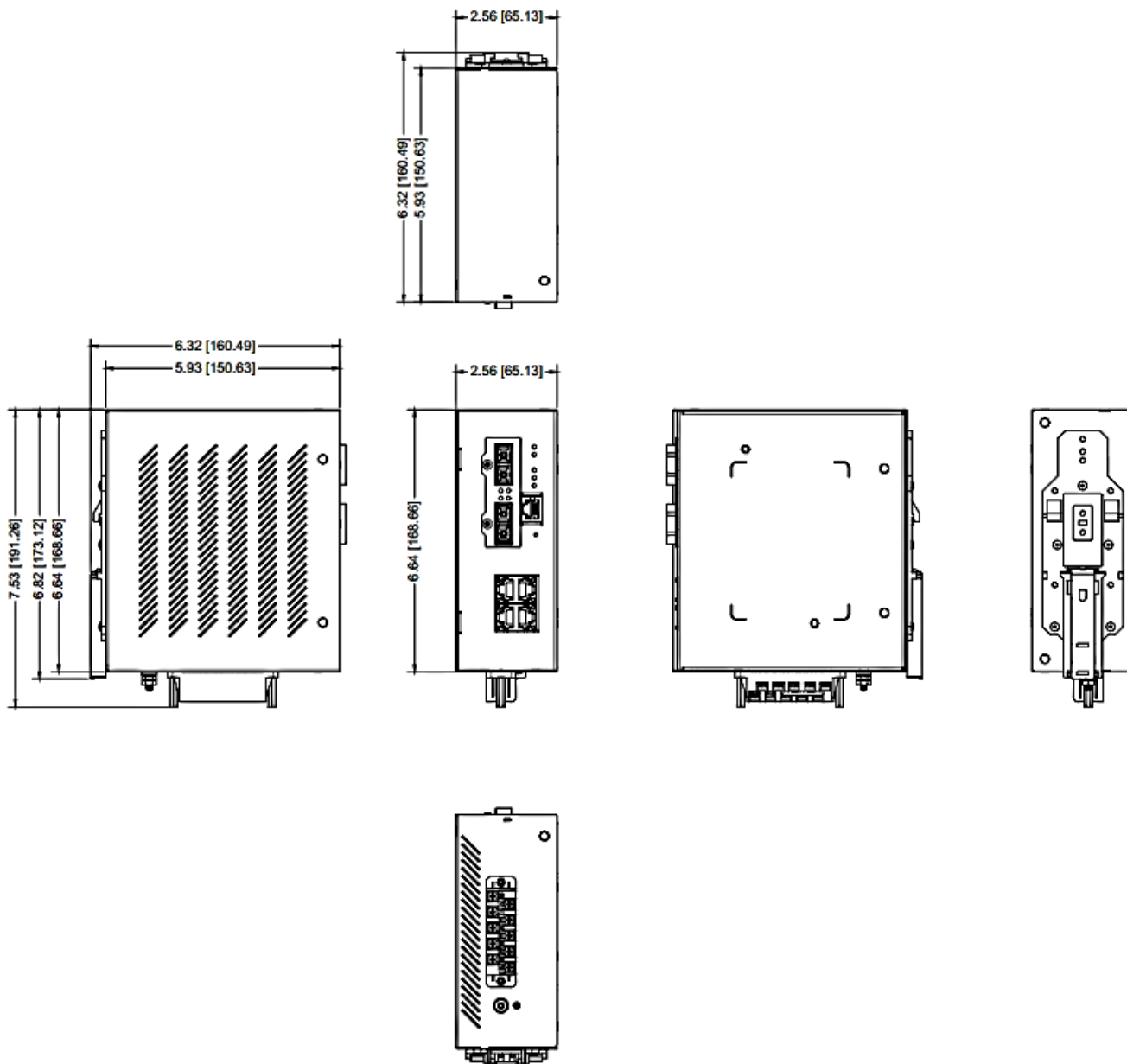
Table 4. Standards and Management

Description	Specification
IEEE Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX IEEE 802.3x for Flow control IEEE 802.1D – 2004 Spanning Tree Protocol (RSTP) IEEE 802.1AB – 2016 Station and Media Access Connectivity discovery (LLDP)
RFC Compliance	<ul style="list-style-type: none"> • RFC 768: UDP • RFC 783: TFTP • RFC 791: IPv4 • RFC 792: ICMP • RFC 793: TCP • RFC 854: Telnet <ul style="list-style-type: none"> • RFC 959: FTP • RFC 1157: SNMPv1 • RFC 1901,1902-1907 SNMPv2 • RFC 2273-2275: SNMPv3 • RFC 2571: SNMP Management • RFC 1166: IP Addresses



Dimensions

All dimensions are shown in inches.





Ordering Information

Base	Power Supply	Mount	Ethernet Port 1-4	Ethernet Port 5&6	Conformal Coating	Description
iES6-S	HV	P	4RJ45	2MMST	C1	
iES6-S						Slim Line Core assembly and packaging
	LV					Dual Input 10-48VDC
	MV					Single Input 36-75VDC with Single 10-48VDC Backup
	HV					Single Input 110-370VDC or 90-264VAC with Single 10-48VDC Backup
		D				DIN Rail Mounting
		P				Panel Mounting
		N				No Mounting Hardware
			4RJ45			4 X 10/100Base-T(X) RJ45
				XX		None
				2SFP		2 X 100Base-X SFP
				2MMSC		2 X 100FX Multimode SC, 1310nm, 2km
				2MMST		2 X 100FX Multimode ST, 1310nm, 2km
				2SMSC15		2 X 100FX Singlemode SC, 1310nm, 15km
				2SMST15		2 X 100FX Singlemode ST, 1310nm, 15km
				2SMSC40		2 X 100FX Singlemode SC, 1310nm, 40km
				2SMST40		2 X 100FX Singlemode ST, 1310nm, 40km
				2SMSC60		2 X 100FX Singlemode SC, 1310nm, 60km
				2SMST60		2 X 100FX Singlemode ST, 1310nm, 60km
				2SMSC80		2 X 100FX Singlemode SC, 1550nm, 80km
				2SMST80		2 X 100FX Singlemode ST, 1550nm, 80km
				2SMSC100		2 X 100FX Singlemode SC, 1550nm, 100km
				2SMST100		2 X 100FX Singlemode ST, 1550nm, 100km
					C1	Conformal Coating

Example Order Code iES6-S-HV-P-4RJ45-2MMST-C1

Description:

iES6 - 6 Port Ethernet Switch, (Power Supply) Single Input 110-370VDC or 90-264VAC with Single 10-48VDC Backup, (Mount) Panel Mounting, (Ethernet Port 1-4) 4 X 10/100Base-T(X) RJ45, (Ethernet Port 5&6) - 2 X 100FX Multimode ST, 1310nm, 2km, C1 - added for conformal coating.