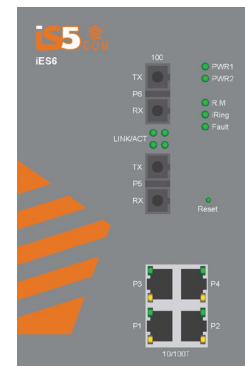




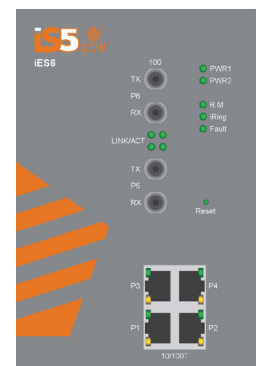
Intelligent 6 Port Ethernet Switch

Features

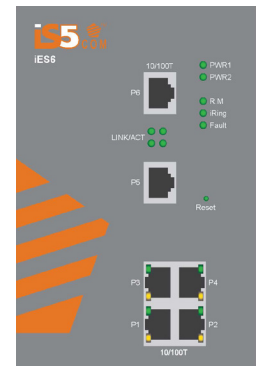
- Supports iRing (recovery time < 30ms over 250 units of connection)
- iBridge supports other vendor's ring technology in an open architecture
- iChain supports multiple redundant ring technologies
- Supports RSTP/STP
- Provides Fast recovery technology for Ethernet multi-redundancy
- SNMP v1/v2c/v3 ,http server, telnet server support
- Supports LLDP protocol
- Configurable by iManage Software Suite (iMSS) a Web-based Windows utility
- Event notification through Syslog, Email, and SNMP trap
- Support for 6 x 10/100Base TX RJ45 ports, or 4 x 10/100Base TX RJ45 ports and 2 x 100Base-FX fiber ports
- Dual Redundant Power Supplies 10-48VDC, or Single input universal supply 88-370VDC or 85-264VAC with a single 10-48VDC Backup
- Rigid IP-40 housing design
- DIN-Rail and wall mountable



iES6-2xSC



iES6-2xST



iES6-2RJ45





Introduction

The iES6 Intelligent Managed Ethernet switch that supports the Ethernet Redundancy protocol with features like iRing (recovery time < 30ms over 250 units of connection), iBridge, iChain, and STP/RSTP (IEEE802.1w/D). These features combined with a wide operating temperature of -40°C to 85°C, and dual redundant power supplies, help protect mission-critical applications from network interruptions or temporary malfunctions. The iES6 can be managed centralized and convenient by our powerful windows utility, "iMSS".

Specifications

Model Number iES6			
Physical Ports			
10/100Base-T(X) RJ45 Ports Auto MDI/MDIX	4	4	4
10/100Base-T(X) RJ45 Ports Auto MDI/MDIX	2		
Fiber Port Specification	Fiber Ports Number	2	2
	Fiber Ports Standard	100Base-FX	100Base-FX
	Fiber Mode	Multi-mode	Single-mode
	Fiber Diameter (μm)	62.5/125 μm 50/125 μm	9/125 μm
	Fiber Optical Connector	SC or ST	SC or ST
	Typical Distance (Km)	Various	Various
	Wavelength (nm)	1310 nm	1310 nm
	Max. Output Optical Power (dbm)	-14 dbm	-8 dbm
	Min. Output Optical Power (dbm)	-23.5 dbm	-15 dbm
	Max. Input Optical Power (Saturation)	0 dbm	0 dbm
	Min. Input Optical Power (Sensitivity)	-31 dbm	-34 dbm
	Link Budget (db)	7.5 db	19 db
Technology			
Ethernet 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 for STP (Spanning Tree Protocol) IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol) IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)		
MAC Table	1024 MAC addresses		
Priority Queues	4		
Processing	Store-and-Forward		
Switch Properties	Switching bandwidth : 1.2Gbps VLAN : Port Based		
Security Features	Enable/disable ports VLAN to segregate and secure network traffic		

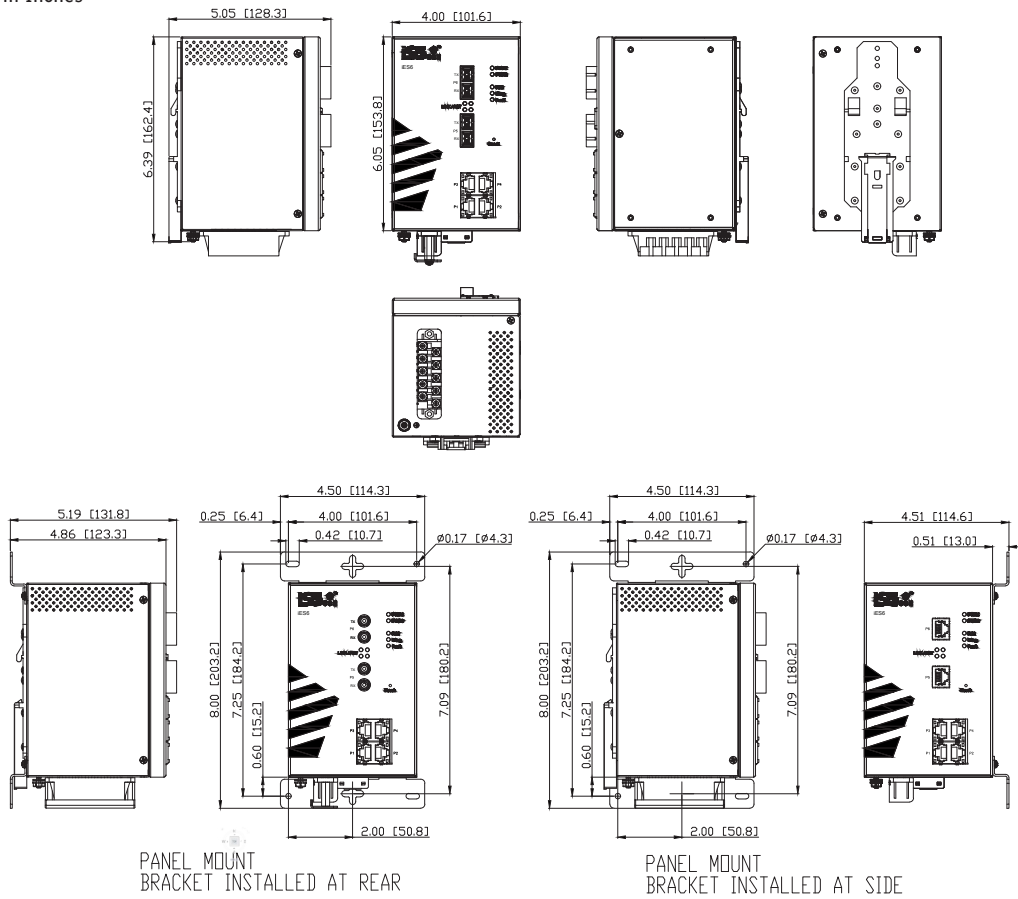


Software Features	STP/RSTP (IEEE 802.1D/w) Redundant Ring (iRing) with recovery time less than 30ms over 250 units DHCP Client Port base VLAN LLDP (Link Layer Discovery Protocol) Port configuration, status, statistics, monitoring, security SNMP v1/v2c/v3 and private MIB support
Network Redundancy	iRing, iBridge, iChain, Fast recovery STP/RSTP
Fault contact	
Relay	Relay output to carry capacity of 1A at 24VDC
Power	
Redundant Input Power	Dual DC inputs 10 to 48VDC, or Single input universal supply 88-370VDC or 85-264VAC with single 10-48VDC Backup.
Power Consumption (Typ.)	7 Watts Max.
Overload Current Protection	Present
Reverse Polarity Protection	Internal
Physical Characteristic	
Enclosure	IP-40
Dimension (W x D x H)	52(W) x 106.1(D) x 144.3(H) mm (2.05x4.18x5.68 inch.)
Weight (g)	670 g
Environmental	
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-40 to 85°C (-40 to 185°F)
Operating Humidity	5% to 95% Non-condensing
Regulatory approvals	
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
Warranty	
Warranty	5 Years



Dimensions

All Dimensions are in Inches



Ordering Information

Base	Power Supply	Mount	Ethernet Port 1-6	Ethernet Port7	Description
iES6	LV	D	4RJ45	2MMSC	
iES6					Core assembly and packaging
	LV				Dual Input (10-48VDC)
	HV				Single Input 88-370VDC or 85-264VAC with Single 10-48VDC Backup
		D			DIN Rail Mounting
		P			Panel Mounting
		N			No Mounting Hardware
			4RJ45		4 x 10/100BaseTX RJ45
				XX	None
				2RJ45	2 x 10/100BaseTX RJ45



				2MMSC	2 x 100FX Multimode SC, 1310nm, 2Km
				2MMST	2 x 100FX Multimode ST, 1310nm, 2Km
				2SSC15	2 x 100FX Singlemode SC, 1310nm, 15km
				2SST15	2 x 100FX Singlemode ST, 1310nm, 15km
				2SSC40	2 x 100FX Singlemode SC, 1310nm, 40km
				2SST40	2 x 100FX Singlemode ST, 1310nm, 40km
				2SSC60	2 x 100FX Singlemode SC, 1310nm, 60km
				2SST60	2 x 100FX Singlemode ST, 1310nm, 60km
				2SSC80	2 x 100FX Singlemode SC, 1550nm, 80km
				2SST80	2 x 100FX Singlemode ST, 1550nm, 80km
				2SSC100	2 x 100FX Singlemode SC, 1550nm, 100km
				2SST100	2 x 100FX Singlemode SC, 1550nm, 100km

Example Order Code: iES6-LV-D-4RJ45-2MMSC-C1-F3.07

Description: 6 Port Switch, Dual Input 10-48VDC Power Supply, DIN Rail Mount,
4 x 10/100Base TX RJ45 Ports, 2 x 100 Multimode SC, 2Km FX Ports, Conformal Coating, Firmware version 3.07
C1 – Add for conformal coating
FW – Leave blank for latest firmware