

Serial Communication Experts

SystemBase!



Ethernet Switch

Network-Based Device Connectivity

Managed Switch

- ELiS-02L5 3-1
- ELiS-04L8 3-3



Ethernet Switch

ELIS-O2L5

Industrial Grade

7-port Industrial Layer 2 Managed Ethernet Switch
 2-port 1Gbps/2.5Gbps SFP and
 5-port 10/100/1000 Base-TX, RJ-45



» Features

- Two 1Gbps or 2.5Gbps SFP Slots
- Five 10/100/1000Mbps UTP Ports
- Supports ITU-T G.8032 ERPS
- Supports Spanning Tree Protocol (STP, RSTP, MSTP)
- Supports 4,096 IDs of VLAN (IEEE 802.1q) with MAC, Protocol, or IP Subnet based VLAN
- Supports IEEE 802.1ab LLDP
- Enhanced QoS Feature (Supports Maximum 8 Queues of Traffic Class, Supports Port Priority)
- Supports CLI, Telnet, SNMPv1/v2C/v3, Web Based Management
- Industrial Grade Operating Temperature: -40 ~ 85 °C
- Supports Non-polarized and Redundant Power
- DIN Rail Mountable

Overview

ELIS-O2L5 is an Ethernet switch with two 1Gbps or 2.5Gbps auto-sensing SFP slots and five 10/100/1000Base-T ports allowing various networking. It is a layer 2 based high performance industrial Ethernet switch optimized for field that requires, such as, traffic camera, railroad web cams.

Reliable and Stable

ELIS-O2L5 ensures a high level of reliability for railways, harbors and other industrial fields with unstable environment. It has internal dual-regulator power circuits and network redundancy for optimal stability. It also ensures reliable operation at 85 Celsius with high humidity and negative 40 Celsius. ELIS-O2L5 is designed based on G.8032 ERPS (Ethernet Ring Protection Switch). When there are problem with the network, it will isolate and re-route to resolve the network issue within short period. When events are detected, it will immediately notify the administrator. Web based configuration, and SNMP version 1, 2, 3 allow the administrator to manage the network fast and easy.

Specification

Physical Port

10/100/1000Base-T(X) in RJ-45	5
1000/2500Base-X SFP	2

Switch Technology

Ethernet Standards	IEEE 802.3 for 10Base-T
	IEEE 802.3u for 100Base-TX
	IEEE 802.3z for 1000Base-X
	IEEE 802.3ab for 1000Base-T

	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 Protocol) 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	8,192 MAC Address
Priority Queues	8
Processing	Store-and-Forward
L2 Switching	IEEE 802.1D Bridge (Auto MAC Address Learning/ Aging, MAC Addresses-Static) IEEE 802.1Q VLAN VLAN Translation MAC, Protocol, IP Subnet based VLAN VLAN Trunking GARP VLAN Registration - GVRP Multiple Registration Protocol - MRP Multiple VLAN Registration Protocol - MVRP Multiple MAC Registration Protocol - MMRP IEEE 802.1ad Provider Bridge IEEE 802.1d STP, IEEE 802.1w RSTP, IEEE 802.1s MSTP G.8032 ERPs(Ethernet Ring Protection Switching) Loop Guard IEEE 802.3ad Link Aggregation IGMPv2, IGMPv3 Snooping MLDv1, MLDv2 Snooping DHCP Snooping ARP Inspection Port Mirroring, Flow Mirroring
L3 Switching	DHCP option 82 relay UPNP
QoS	Traffic Classes (4 or 8 Active Priorities) Port Default Priority

	Input Priority Mapping QoS Control List (QCL) Storm Control for Unicast, Multicast, Broadcast Port/Queue Egress Shaper DiffServ (RFC2474) Remarking Tag Remarking
Security	IEEE 802.1X (Port-based 802.1X, Single 802.1X, Multiple 802.1X) MAC based Authentication RADIUS Accounting MAC Address Limit MAC Freeze MAC Spoofing IP MAC Binding TACACS+ Web & CLI Authentication ACLs for Filtering/Policing/Port Copy IP Source Guard
Sync. & OAM	IEEE 1588 PTP(Precision Time Protocol) NTPv4 Client Link OAM (IEEE 802.3ah) Flow OAM (IEEE 802.3ag/Y.1731)
Management	DHCP/DHCPv6 Client, DHCP Server DNS Client, Proxy Web-based Management CLI, Telnet HTTPS, SSHv2 IPv6 Management RFC4884 (ICMPv6) System Syslog Software Upload via Web SNMP v1/v2c/v3 Agent RMON (Group 1, 2, 3, 9) RMON Alarm and Event (CLI, Web) SNMP Trap Group IEEE 802.1ab Link Layer Discovery Protocol - LLDP Configuration Download/Upload

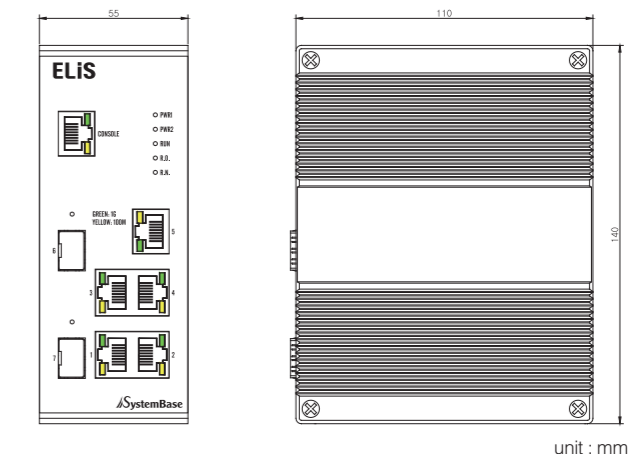
Miscellaneous

Alarm	Alarm relay output for port event notifications
RS-232 Serial Console Port	RS-232 in RJ45 with console cable. 115200bps, 8, N, 1
LED	Power1, Power2, RUN, Master, Coupler
Power	12 ~ 48VDC, Redundant Power, Reverse Input Voltage Protection
Dimension	63(W)x140(H)x110(D)mm
Weight	750g
Operating Temperature	-40 °C ~ 85 °C
Storing Temperature	-40 °C ~ 85 °C
Operating Humidity	5% ~ 95% non-condensing
Cooling	FAN-less

Certifications

KC, CE, FCC

Dimension



Sales : marketing@sysbas.com
 Technical Support : www.solvline.com

ELIS-04L8



12-port Industrial Layer 2 Managed Ethernet Switch
 2-port 1Gbps/2.5Gbps SFP, 2-port 1Gbps SFP and
 8-port 10/100/1000 Base-TX, RJ-45



» Features

- Two 1Gbps or 2.5Gbps SFP Slots
- Two 1Gbps SFP Slots
- Eight 10/100/1000Mbps UTP Ports
- Supports ITU-T G.8032 ERPS
- Supports 4,096 IDs of VLAN (IEEE 802.1q) with MAC, Protocol, or IP Subnet based VLAN
- Supports IEEE 802.1ab LLDP
- Supports Spanning Tree Protocol (STP, RSTP, MSTP)
- Enhanced QoS Feature (Supports Maximum 8 Queues of Traffic Class, Supports Port Priority)
- Supports CLI, Telnet, SNMPv1/v2C/v3, Web Based Management
- Industrial Grade Operating Temperature: -40 ~ 85°C
- Supports Non-polarized and Redundant Power
- DIN Rail Mountable

Overview

ELIS-04L8 is an Ethernet switch with two 1Gbps or 2.5Gbps auto-sensing SFP slots, two 1Gbps auto-sensing SFP slots and eight 10/100/1000Base-T ports allowing various networking. It is a layer 2 based high performance industrial Ethernet switch optimized for field that requires, such as, traffic camera, railroad web cams.

Reliable and Stable

ELIS-04L8 ensures a high level of reliability for railways, harbors and other industrial fields with unstable environment. It has internal dual-regulator power circuits and network redundancy for optimal stability. It also ensures reliable operation at 85 Celsius with high humidity and negative 40 Celsius. ELIS-04L8 is designed based on G.8032 ERPS (Ethernet Ring Protection Switch). When there are problem with the network, it will isolate and re-route to resolve the network issue within short period. When events are detected, it will immediately notify the administrator. Web based configuration, and SNMP version 1, 2, 3 allow the administrator to manage the network fast and easy.

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1000Base-X SFP	2
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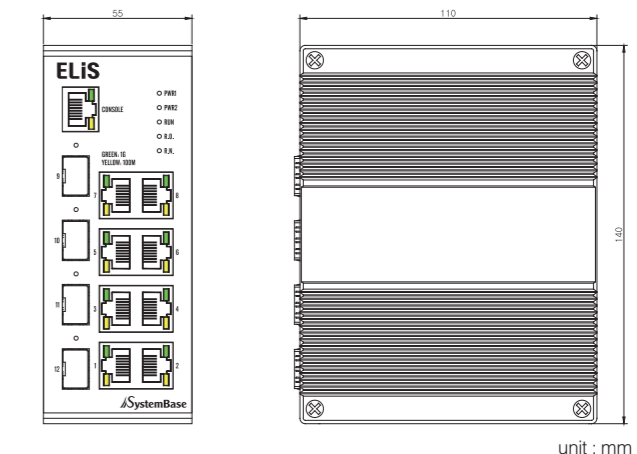
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Dimension



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