




HIRSCHMANN

A BELDEN BRAND

Product information IOLAN SDS4 HL

Industrial Ethernet:Serial to Ethernet converters:IOLAN SDS4 HL

Name	IOLAN SDS4 HL
	
Industrial Ethernet media converter which is approved for use in Ex Zone 2, additionally features an extensive range of security functions such as RADIUS authentication, SNMPv3, and IPsec VPN Gateway. This converter also has four serial interfaces for RJ-45 ports. The converter can be mounted directly on a wall, or on a top-hat rail using an (optional) adapter.	
Delivery informations	
Availability	available
Product description	
Description	Industrial Ethernet media converter which is approved for use in Ex Zone 2, additionally features an extensive range of security functions such as RADIUS authentication, SNMPv3, and IPsec VPN Gateway. This converter also has four serial interfaces for RJ-45 ports. The converter can be mounted directly on a wall, or on a top-hat rail using an (optional) adapter.
Port type and quantity	4 x RS323/422/485 on RJ45 connector, 1 x 10/100BaseTX Ethernet
Type	IOLAN SDS4 HL
Order No.	942 036-101
Classification	
Belden brand	Hirschmann
Displays	
LEDs	Power, link status; serial: data per port
More Interfaces	
Power supply/signaling contact	1 x terminal block, 2-pin
V24 interface	1 x serial port (can be configured as console port, via DIP switch)
Network size - length of cable	
Serial (RS232, RS422, RS485)	10 m ... 15 m
Twisted pair (TP)	0 m ... 100 m
Power requirements	
Operating voltage	9-30 VDC
Heat dissipation	8.2 Btu (IT) h
Software	
Configuration	Telnet; SSH v1 and v2; Rlogin; Auto session login; LPD, RCP printer; MOTD - Message of the day
Security	SSH v1 and v2; SSL V3.0/TLS V1.0, SSL V2.0; SSL Server and SSL client mode capability; SSL Peer authentication; IPsec VPN : NAT Traversal, ESP authentication protocol; Encryption: AES (256/192/128), 3DES, DES, Blowfish, CAST128, ARCFOUR(RC4), ARCTWO(RC2); Hashing Algorithms: MD5, SHA-1, RIPEMD160, SHA1-96, and MD5-96; Key exchange: RSA, EDH-RSA, EDH-DSS, ADH; X.509 Certificate verification: RSA, DSA; Certificate authority (CA) list; Local database; RADIUS Authentication, Authorization and Accounting; TACACS+ Authentication, Authorization and Accounting; LDAP, NIS, Kerberos Authentication; RSA SecureID-agent or via RADIUS Authentication; SNMP v3 Authentication and Encryption support; IP Address filtering; Disable unused daemons; Active Directory via LDAP
Redundancy functions	n/a
Flow control	Hardware, Software, Both
Protocols	IPv6, IPv4, TCP/IP, Reverse SSH, SSH, SSL, IPsec/IPv4, IPsec/IPv6, L2TP/IPsec, CIDR, RIPv2/MD5, ARP, RARP, UDP, UDP Multicast, ICMP, BOOTP, DHCP, TFTP, SFTP, SNMP, Telnet, raw, reverse Telnet, LPD, RCP, DNS, Dynamic DNS, WINS, HTTP, HTTPS, SMTP, SNMPv3, PPP, PAP/CHAP, SLIP, CSLIP, RFC2217, MSCHAP, IPSEC VPN client/servers, HTTP tunneling, DHCP Opt 81
Ambient conditions	
Operating temperature	-40 °C ... 70 °C
Storage/transport temperature	-40 °C ... 70 °C
Relative humidity (non-condensing)	5 % ... 95 %
Protective paint on PCB	Yes (conformal coating)
Mechanical construction	
Dimensions (W x H x D)	113 mm x 81 mm x 28 mm

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Mounting	Wall mounting
Weight	700 g
Protection class	IP40
EMC emitted immunity	
FCC CFR47 Part 15	FCC 47 CFR Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Safety of industrial control equipment	n/a
Hazardous locations	n/a
Scope of delivery and accessories	
Scope of delivery	Device, Manual CD, Quick start description, 1 x DB9 to PRL /config adapter
Accessories to order separately	Adapter for DIN Rail

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The complete information and data were available on user documentation. Mandatory information can only be obtained by a concrete query.