



## Product information IOLAN SDS4 HL

### Industrial Ethernet:Serial to Ethernet converters:IOLAN SDS4 HL

<http://e-catalog.beldensolutions.com/link/57078-24455-157770-158318/en/conf/uistate>

<b>Name</b>	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.
<b>Delivery informations</b>	
<b>Availability</b>	available
<b>Product description</b>	
<b>Description</b>	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.
<b>Port type and quantity</b>	4 x RS 232 / RS 422 / RS 485 on RJ45 connector, 1 x 10/100BaseTX Ethernet
<b>Type</b>	IOLAN SDS4 HL
<b>Order No.</b>	942 036-101
<b>Classification</b>	
<b>Belden brand</b>	Hirschmann
<b>Displays</b>	
<b>LEDs</b>	Power, link status; serial: data per port
<b>More Interfaces</b>	
<b>Power supply/signaling contact</b>	1 x terminal block, 2-pin
<b>V.24 interface</b>	1 x serial port (can be configured as consol port, via DIP switch)
<b>Network size - length of cable</b>	
<b>Serial (RS232, RS422, RS485)</b>	10 m - 15 m
<b>Twisted pair (TP)</b>	0 m - 100 m
<b>Power requirements</b>	
<b>Operating voltage</b>	9-30 VDC
<b>Heat dissipation</b>	8.2 Btu (IT) h
<b>Software</b>	
<b>Configuration</b>	Telnet; SSH v1 and v2; Rlogin; Auto session login; LPD, RCP printer; MOTD - Message of the day
<b>Security</b>	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
<b>Redundancy functions</b>	n/a
<b>Flow control</b>	Hardware, Software, Both
<b>Protocols</b>	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
<b>Ambient conditions</b>	
<b>Operating temperature</b>	-40 °C - 70 °C
<b>Storage/transport temperature</b>	-40 °C - 70 °C
<b>Relative humidity (non-condensing)</b>	5 % - 95 %
<b>Protective paint on PCB</b>	Yes (conformal coating)
<b>Mechanical construction</b>	
<b>Dimensions (W x H x D)</b>	113 mm x 81 mm x 28 mm



## Industrial Ethernet:Serial to Ethernet converters:IOLAN SDS4 HL

<http://e-catalog.beldensolutions.com/link/57078-24455-157770-158318/en/conf/ui/state>

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

For more information please contact:

**Hirschmann Automation and Control GmbH**

Stuttgarter Strasse 45-51

72654 Neckartenzlingen

Germany

Phone: +49 7127/14-1809

E-Mail: [inet-sales@belden.com](mailto:inet-sales@belden.com)

The information published in the websites has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price-related/commercial respect. The complete information and data were available on user documentation. Mandatory information can only be obtained by a concrete query.