

**Product:** [IOLAN SDS16C HV](#) 



Industrial Ethernet media converter, 16 serial RJ45 interfaces, especially suited to extreme operating conditions

**Product Description**

Industrial Ethernet media converter is especially suited to extreme operating conditions, e.g. the kind of conditions that are found in transformer stations in the electricity industry.

**Technical Specifications**

**Product description**

Description:	Industrial Ethernet media converter is especially suited to extreme operating conditions, e.g. the kind of conditions that are found in transformer stations in the electricity industry.
Part Number:	942036301
Port type and quantity:	16 x RS323/422/485 on RJ45 connector, 2 x 10/100/1000BaseTX Ethernet

**Displays**

LEDs:	Power, link status; serial: data per port
-------	---

**More Interfaces**

Power supply/signaling contact:	1 x terminal block, 6-pin
V.24 interface:	1 x console block

**Network size - length of cable**

Twisted pair (TP):	0-100 m
Serial (RS232, RS422, RS485):	10-15 m

**Power requirements**

Heat dissipation:	40.9 Btu
Operating Voltage:	88-300 VDC or 85-265 VAC

**Service**

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
------------	--

**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
Flow control:	Hardware, Software, Both

**Ambient conditions**

Operating temperature:	-40-+70 °C
Storage/transport temperature:	-40-+85 °C

Relative humidity (non-condensing):	5-95 %
Protective paint on PCB:	No

## Mechanical construction

Dimensions (WxHxD):	264 mm x 434 mm x 44 mm
Weight:	3320 g
Mounting:	DIN Rail
Protection class:	IP30

## EMC emitted immunity

EN 55022:	EN 55022 Class A
FCC CFR47 Part 15:	FCC 47CFR Part 15, Class A

## Approvals

Safety of industrial control equipment:	EN 60950-1
---	------------

## Reliability

Guarantee:	60 months (please refer to the <a href="#">terms of guarantee</a> for detailed information)
------------	---

## Scope of delivery and accessories

Scope of delivery:	Device, Manual CD, Quick start description, 1 x DB9 to PRL /config adapter
--------------------	--

## Further Instructions

Product Documentation:	<a href="https://www.doc.hirschmann.com">https://www.doc.hirschmann.com</a>
Certificates:	<a href="https://www.doc.hirschmann.com/certificates.html">https://www.doc.hirschmann.com/certificates.html</a>

## History

Update and Revision:	Revision Number: 0.111 Revision Date: 05-07-2025
----------------------	--

## Variants

Item #	Type
942036301	IOLAN SDS16C HV

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.