

**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
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**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
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**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
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## Scope of delivery and accessories

Scope of delivery:	Device, Manual CD, Quick start description, 1 x DB9 to PRL /config adapter
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## 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: 0.97 Revision Date: 03-10-2023
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## Variants

Item #	Type
942036301	IOLAN SDS16C HV

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