



Product information
IOLAN SDS16C HV
942 036-301

Name		IOLAN SDS16C HV
		
		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.
Delivery informations		
Availability	available	
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.	
Port type and quantity	16 x RS323/422/485 on RJ45 connector, 2 x 10/100/1000BaseTX Ethernet	
Type	IOLAN SDS16C HV	
Order No.	942 036-301	
Classification		
Belden brand	Hirschmann	
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		
Serial (RS232, RS422, RS485)	10 m ... 15 m	
Twisted pair (TP)	0 m ... 100 m	
Power requirements		
Operating voltage	88-300 VDC or 85-265 VAC	
Heat dissipation	40.9 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 ... 85 °C	
Relative humidity (non-condensing)	5 % ... 95 %	
Protective paint on PCB	No	
Mechanical construction		
Dimensions (W x H x D)	264 mm x 434 mm x 44 mm	
Mounting	DIN Rail	
Weight	3320 g	

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.



Protection class	
	IP30
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	cUL 60950-1
Hazardous locations	ISA 12.12.01 Class 1 Div. 2; ATEX 100a, Zone 2
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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