



HIRSCHMANN

A BELDEN BRAND

Product information IOLAN SDS16C HV

Industrial Ethernet:Serial to Ethernet converters:IOLAN SDS16C HV

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, SNTP, 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



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