

SDSFX Series

Hardened Serial Device Server

(1) 100Base-FX Fiber SC Ethernet + (1) RS232/422/485 DB9 Port



Media Converters



Transition Networks serial device server provides the ability to communicate serial data across an Ethernet network. The SDSFX Series contains a 100Base fiber port that can be configured to communicate to one or multiple redundant servers.

The SDSFX Series comes with COM port redirector software enabling communication of serial data to a virtual COM port on a server, or can be used in pairs to provide serial tunneling across the Ethernet network.

Features

- Operating Modes: Virtual Com, Serial Tunnel, TCP Server, TCP Client, UDP
- Security: SSL data encryption; secured management by HTTPS and SSH IP Access: IP White List
- Update DNS Hostname: DDNS
- Event Warning by SYSLOG, Email, SNMP traps
- Various Windows O.S. supported: Windows NT/2000/ XP/ 2003/ VISTA(32/64bit)/Windows 7(32/64bit)
- Extended operating temperature (-40°C to 70°C)
- DIN Rail mount included

Specifications

Standards	IEEE 802.3x IEEE 802.3u																						
Ethernet	(1) 100Base-FX Ethernet																						
Protocols	ICMP, IP, TCP, UDP, DHCP, BOOTP, SSH, DNS, SNMP V1/V2c, HTTPS, SMTP, SSL, PPPoE, DDNS																						
Serial	<table border="0"> <tr> <td>Ports</td> <td>(1) DB9M</td> </tr> <tr> <td>Protocols</td> <td>RS-232/422/485 (2 and 4 wire)</td> </tr> <tr> <td>Baud Rates</td> <td>110bps to 460Kbps</td> </tr> <tr> <td>Data Bits</td> <td>5, 6, 7, 8</td> </tr> <tr> <td>Parity</td> <td>Odd, Even, None, Space</td> </tr> <tr> <td>Stop Bits</td> <td>1, 1.5, 2</td> </tr> <tr> <td>RS-232</td> <td>TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND</td> </tr> <tr> <td>RS-422</td> <td>Tx+, Tx-, Rx+, Rx-, GND</td> </tr> <tr> <td>RS-485 (4 wire)</td> <td>Tx+, Tx-, Rx+, Rx-, GND</td> </tr> <tr> <td>RS-485 (2 Wire)</td> <td>Data+, Data-, GND</td> </tr> <tr> <td>Flow Control</td> <td>XON/XOFF, RTS/CST, DTR/DSR</td> </tr> </table>	Ports	(1) DB9M	Protocols	RS-232/422/485 (2 and 4 wire)	Baud Rates	110bps to 460Kbps	Data Bits	5, 6, 7, 8	Parity	Odd, Even, None, Space	Stop Bits	1, 1.5, 2	RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND	RS-422	Tx+, Tx-, Rx+, Rx-, GND	RS-485 (4 wire)	Tx+, Tx-, Rx+, Rx-, GND	RS-485 (2 Wire)	Data+, Data-, GND	Flow Control	XON/XOFF, RTS/CST, DTR/DSR
Ports	(1) DB9M																						
Protocols	RS-232/422/485 (2 and 4 wire)																						
Baud Rates	110bps to 460Kbps																						
Data Bits	5, 6, 7, 8																						
Parity	Odd, Even, None, Space																						
Stop Bits	1, 1.5, 2																						
RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND																						
RS-422	Tx+, Tx-, Rx+, Rx-, GND																						
RS-485 (4 wire)	Tx+, Tx-, Rx+, Rx-, GND																						
RS-485 (2 Wire)	Data+, Data-, GND																						
Flow Control	XON/XOFF, RTS/CST, DTR/DSR																						
Status LEDs	Power, Ethernet Port Link/Act, Serial TX/RX																						
Dimensions	Width: 2.83" [72 mm] Depth: 1.16" [29.4 mm] Height: 4.86" [123.4 mm]																						
Power Consumption	4 Watts																						
Power Input	12~48 VDC; redundant inputs, 3-PIN Terminal Block, power jack																						
Ingress Protection	IP30																						
Environment	Operating: -40°C to +70°C Storage: -40°C to 85°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.																						
Weight	0.72 lbs. [0.33 kg]																						
Compliance	Safety: EN60950-1 FCC Part 15, CISPR22/EN55022 Class A, EN61000-4-2, EN61000-4-3, EN-61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)																						
Warranty	Lifetime																						

Ordering Information

SDSFX3113-111-LRT

(1) 100Base-FX 1310nm multimode (SC) [2 km/1.2 mi.] +
(1) RS232/422/485 DB9 port

SDSFX3114-111-LRT

(1) 100Base-FX 1310nm single mode (SC) (30 km/18.6 mi.) +
(1) RS232/422/485 DB9 port

Optional Accessories (sold separately)

Industrial Power Supplies:

25135

Input: 85-264 VAC, 120-370 VDC
Output: 24VDC, .42A, 10 Watts

25130

Input: 85-264 VAC, 120-370 VDC
Output: 48VDC, .83A, 39.8 Watts