

MedIO FTD1218

RS-422/485 to Fiber Converter



Features



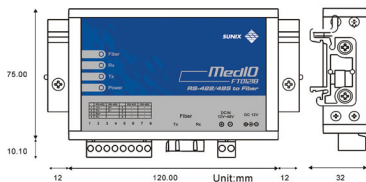
- Extends RS-422/485 transmission distance up to 40 KM with Single mode fiber
- Detachable Wall and DIN-Rail mounting kit design
- Plug-in screw terminal block for easy RS-422/485 wiring
- RS-485 supports Auto RTS Signal Control (ARSC™) technology
- RS-422/485 Auto Identify and Switch technology make Jumper-free
- Supports baud rate up to 460 Kbps
- Redundant power 12~48V terminal block & DC Jack input
- 15KV ESD surge protection for all serial signals
- Optional 2.5KV optical isolation and 600W surge protection

Overview

SUNIX FTD1218 converter provides interface exchange between RS-422/485 to fiber optic and vice-versa. Fiber media can provides stable data communication and also extends communication distance up to 40KM with single mode fiber and 2KM with multi mode fiber. As well, Fiber transmission is immune to electrical and magnetic interference, secure, and reliable. SUNIX

FTD1218 converter is designed with our unique RS-422/485 Auto Identify and Switch technology and auto baud rate detection, which enable user to switch communication mode or change connected devices without interruption of service. Furthermore, FTD1218 provides dual power input for redundant power capability to ensure non-stop operation.

Dimensions



Pin Assignment

Fiber



RS-422/485



	RS-422	RS-485	RS-422	RS-485
1	TX+	D+	5	-
2	TX-	D-	6	-
3	RX+	-	7	-
4	RX-	-	8	-

Specifications

Serial Communication

Connector	RS-232 : DB9M RS-422/485 : Terminal Block
Signal	RS-232 : Rx, Tx, GND, RTS, CTS RS-422 : Tx+, Tx-, Rx+, Rx-, RTS+, RTS-, CTS+, CTS- RS-485 : Data+, Data-, RTS+, RTS-, CTS+, CTS-
RS-422 / 485	RS-422/485 Auto Identify & Switch
DTE/DCE	RS-232 DTE / DCE DIP switch
Network	RS-422 up to 10 nodes, 1.2KM RS-485 up to 32 nodes, 1.2KM
RS-485	Auto RTS Signal Control: ARSCTM
Baud Rate	RS-232 up to 460.8 Kbps RS-422 up to 115.2 Kbps RS-485 up to 460.8 Kbps
Protection	Standard: 15KV ESD Surge Protection for all signal Optional: 2.5KV Isolation Protection for all signal 600W Surge Protection for all signal *Maximum clamping voltage 24.4 V *Peak pulse current 24.6 A
LED	Power, Rx/D for RS-232, Tx/D for RS-232

Power

Input Power	12~48 VDC External Power, Terminal Block & DC Jack type (Redundant Power Input)
Protection	Reverse Power Protection (Protects against V+ & V- reverse)

Power Consumption < 2.4W=12V x 200mA

Mechanical

Dimensions (WxDxH)	189 x 106 x 40 mm (with Mounting Kit)
Case	Metallic Casing & Hard Plastic
Weight	250 ± 5 g
Approvals	CE, FCC(Class B)

Environment

Operating Temperature	0°C ~ 60°C
Storage Temperature	-20°C ~ 85°C
Humidity	5 ~ 95% RH

Pin Assignment

RS-232



RS-422/485



	RS-422	RS-485	RS-422	RS-485
1	TX+	D+	5	RTS+
2	TX-	D-	6	RTS-
3	RX+		7	CTS+
4	RX-		8	CTS-

Order Information

STD1918	RS-232 to RS-422/485 Converter
STD1918S	RS-232 to RS-422/485 Converter with Surge
STD1918I	RS-232 to RS-422/485 Converter with Isolation
STD1918SI	RS-232 to RS-422/485 Converter with Surge & Isolation

Packing List

1. RS-232 to RS-422/485 Converter
2. Quick Installation Guide

Optional Accessories

1. Power Adapter 12V / 1A,
2. Wall Mount Kit
3. DIN-Rail Mount Kit
4. Rubber foot stub / Screw

