



### **Features**

- Full-Duplex Data Communication
- Pure Hardware Solution (Real-Time Data Transfer)
- Transfer Data Between Equipment
- One CAT-5 Cable Extension
- Compatible with All RS-232 Protocols
- No Software Configuration

### **Description**

The SED-1010S Industrial High Speed RS-232 over CAT-5 Extender with Surge Protection lets users transfer data to a device up to 1.2KM at transfer rates of up to 115.2Kbps. For distances of 100M or closer, the SED-1010S supports high speeds of up to 921.6Kbps. The SED-1010S can also be used without a power adapter. An optional power supply is available for those applications that need more power than the host can provide. Featuring an extended operating temperature of -30°C ~ 75°C, the SED will work in numerous operating environments. The SED-1010S' many useful features make it a very valuable device for industrial applications.

## **Specifications**

### **Standard**

Mode	Asynchronous serial communication
Speed	Up to 115.2 kbps 1.2KM (921.6 kbps 100M)
Connector	RJ45, DB9Female
Signals	TXD, RXD, CTS, RTS
Protection	15KV ESD Protection for All signals RJ45 Surge Protection
Distance	Max 1.2Km 115.2Kbps, CAT5, CAT5e
Data Bits	5,6,7,8
Stop Bits	1,1.5,2
Parity	None, Even, Odd, Space, Mark

### **Software**

OS	No Software Required
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### **Hardware**

Power Input	10~30VDC
Power Consumption	15mA@24VDC
LED	Power, TXD, RXD
Dimensions (W x H x D)	42.5 x 22.5 x 106 mm (1.67 x 0.89 x 4.17 inches)
Weight	86g

### **Package Content**

SED-1010S x 1

User Manual x 1

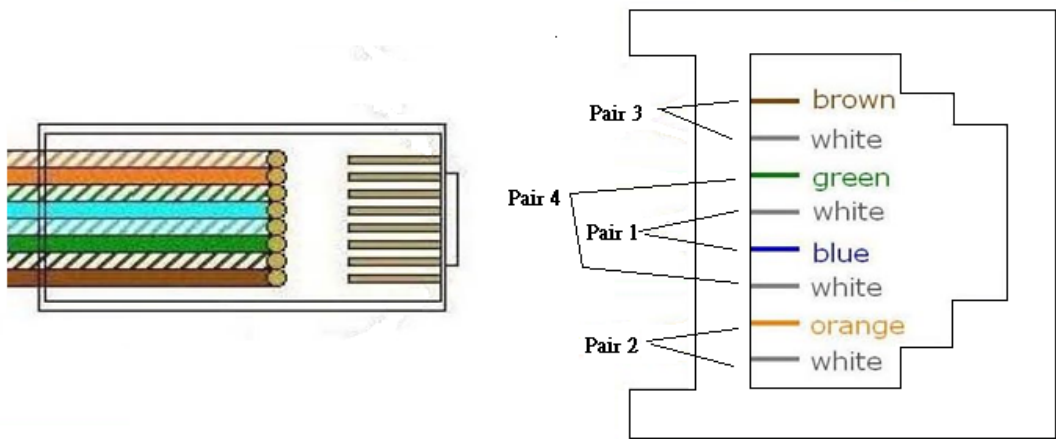
Power Adapter (Optional)

**RS232 DB9 Female 9 PIN Definition**

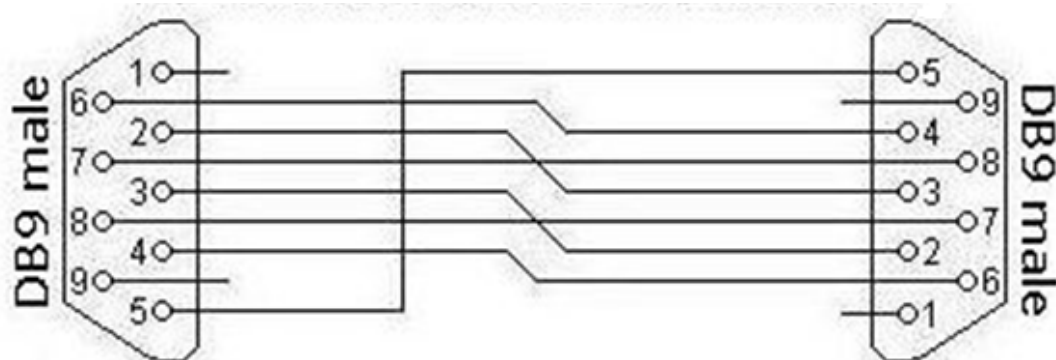
Signal	
1	N/A
2	TXD
3	RXD
4	N/A
5	GND
6	N/A
7	CTS
8	RTS
9	N/A

**RJ45 8PIN Definition**

PIN NO	COLOR	PIN NO	COLOR
1	White-Orange	5	White-Blue
2	Orange	6	Green
3	White-Green	7	White-Brown
4	Blue	8	Brown



**DB9 Male Cable**



**Environmental**

Operating Temp.	-30~75°C
Storage Temp.	-40~85°C
Humidity	5~95% Non-Condensing
Case	PC

**Approvals**

CE, FCC, RoHs Compliant