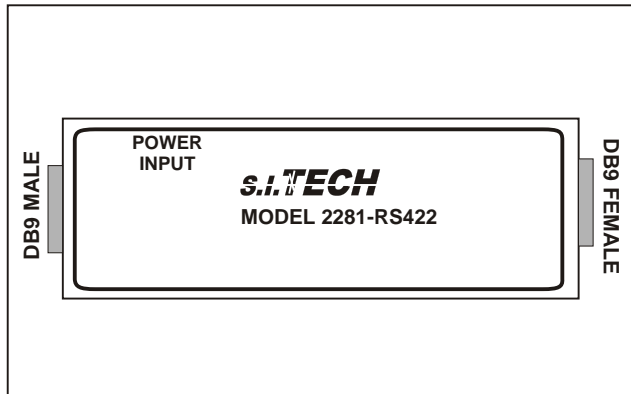


# Asynchronous Metallic Isolated Bit-Driver



The S.I.Tech Model 2281 is an optically isolated RS422 to RS422 converter. It combines connector to connector compatibility with outstanding performance characteristics. It supports full duplex transmission between compatible EDP equipment at speeds up to 2.5 Mbps.

### RS - 422 DB-9 CONNECTOR PINS UTILIZED BY 2281 BIT DRIVER

Pin No	Function	Male	Female
1	TD1+	Input	Output
6	TD1-		
2	TD2+	Input	Output
7	TD2-		
4	RD1+	Output	Input
8	RD1-		
5	RD2+	Output	Input
9	RD2-		
3	GND		

### FEATURES and SPECIFICATIONS

- Interface: Two pair bidirectional RS422 4-wire interface
- Connectors: DCE DB9-P (male), DTE DB9-S (female)
- Data Rate: 0 to 2.5 Mbps.
- Cable: Shielded 100 - 200 twisted pairs. Using 24AWG with 52.5PF/m shunt capacitance cable length supported of 1200m at rates less than 90kbps and falling to 20m at rate of 2.5Mbps.
- Isolation: 1000VAC between the DTE port and the DCE and power ports
- Power: 10 to 15VDC or 8 to 13VAC, about 2 watts. (Use S.I.Tech #2121 external power supply)
- Temperature: 0 to 50°C

Meets FCC requirements of Class A, Part 15 Computing Devices Standard.  
 Specifications subject to change without notice.



### TYPICAL APPLICATION

