Model 2281

S.I.TECH

Asynchronous Metallic Isolated Bit-Driver ®

POWER INPUT

DB9 MALE

DCE

S.I.TECH
MODEL 2281-RS422

DTE

DB9 FEMALE
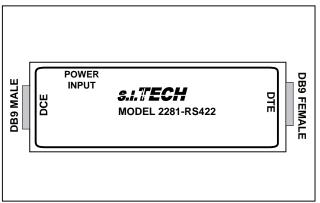
The S.I.Tech Model 2281 is an optically isolated RS422 to RS422 converter. It combines connector to connector compatibility with outstanding performance characteristics. It supports full duplex transmission between compatible EDP equipment at speeds up to 2.5 Mbps.

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

Pin No	Function	DTE	DCE
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 - 200Ω 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 50ºC

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

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TYPICAL APPLICATION

PC DTE — RS 422 — **S.I.TECH 2281** — RS 422 — **Factory Equipment**

POWER