RS-232 Interface Powered

V35IP/ 449IP/ X21IP/ 530IP

RS-232 to V.35/ RS-449/ X.21/ RS-530 Interface Converter
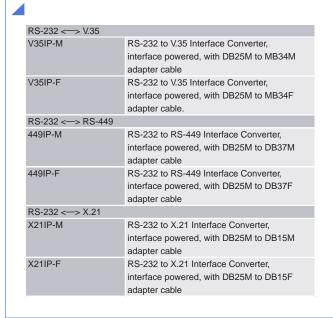

The RS232 IP family of interface converters allows full bi-directional synchronous conversion between RS-232C (V.24) and V.35, X.21 or RS-449/530 hardware. These converters all work WITHOUT an EXTERNAL POWER SUPPLY. The RS232 IP interface converters are designed for synchronous RS-232 operation at data rates up to and including 128kbps. They may also be applied to asynchronous RS-232 using only TD & RD signals, while ignoring TC, RC, and XTC timing signals. Asynchronous RS-232 requires three times greater data throughput on the synchronous side's V.35, X.21 or RS-449/530 interface.

The physical connections for all RS232 IP family converters are DB25 female connectors. The RS-232 side supports direct connection to the DB25 connector with standard pin-out, while an adapter cable is required on the V.35, X.21 or RS-449/530 side to provide the proper interface connection. The V35IP model's interface does not require balanced signals for the handshaking signals and therefore cannot be adapted for X.21, RS-449 or RS-530 use. However, the 449IP or X21IP models may be interchanged as long as the correct adapter cable is applied.

Features

■ DCE/DTE: Switch settable

■ Power Source: Interface powered. No external DC power adapter is required for the "IP" converter family. However, an external adapter (DC9V@600mA) may be used if the application of the unit is in a poor communication environment.

Specifications

Data Rate	Up to 2Mbps	
Connectors	V.35 side - V.35 cable adapter, X.21, RS-449/530 side - DB25F (Requires adapter cable)	
LEDs	Signal status, DCE/DTE mode, Power	
Environment	Temperature	0 — 50°C (Operating); 20 — 70°C (Storage)
	Humidity	5% — 90% non-condensing
Power Cunsumption	< 5W	
Dimensions(WxDxH)	80mm x 140mm x 25 mm	
Weight	150g	
Compliance	RS-232, RS-449, RS-530 - EIA ; V.35. X.21 - ITU-T	

Ordering Info

RS-232 <—> V.35	
V35IP-M	RS-232 to V.35 Interface Converter, interface powered, with DB25M to MB34M adapter cable
V35IP-F	RS-232 to V.35 Interface Converter, interface powered, with DB25M to MB34F adapter cable.
RS-232 <—> RS-449	
449IP-M	RS-232 to RS-449 Interface Converter, interface powered, with DB25M to DB37M adapter cable
449IP-F	RS-232 to RS-449 Interface Converter, interface powered, with DB25M to DB37F adapter cable
RS-232 <—> X.21	
X21IP-M	RS-232 to X.21 Interface Converter, interface powered, with DB25M to DB15M adapter cable
X21IP-F	RS-232 to X.21 Interface Converter, interface powered, with DB25M to DB15F adapter cable