

V35-V36 TECHNICAL INFORMATION

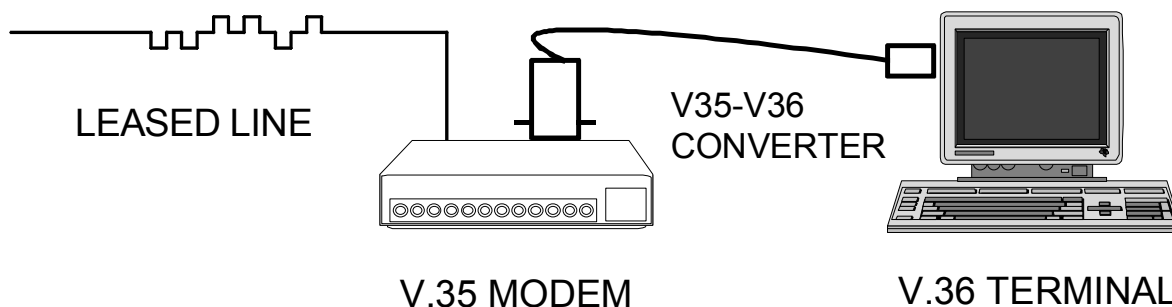
The V35-V36 Interface Converter is designed to provide signal level conversion between V.35 DCE type devices (Modems) and V.36(RS-422/449) DTE equipment. The V35-V36 transmits data bi-directionally at data rates up to 10Mbps. The device has no internal straps or settings to configure.

Ideal for Local Area and Wide Area networks, the V35-V36 interface converter is line powered and requires No AC power source. The V35-V36 is designed to operate in applications where data control signals are present. The unit must have a minimum of two constant control signals to operate, such as DSR and DCD(LSD or RLSD) from the DCE source.

It should be noted that some modems, when placed in Local Loop (LL) test mode, may drop DCD(LSD or RLSD). For testing purposes, this control signal must be *Forced On(high)* for the unit to operate.

The supplied 6 foot data cable is available with either a Male or Female V.35 connector.

Installation: Connect the Male V.35 cable into the Modem and the Female DB-37 into the DTE device. The V35-V36 is protocol independent and passes all appropriate Data, Clock and Control Signals.



SUPPLIED DATA CABLE INFORMATION

The maximum tested data rate is 10Mbps using the supplied 6 foot shielded data cable. Shorter and longer data cables will effect the V35-V36 Interface Converter data rate. The chart below indicates the interface control signals supported by the V35-V36 on the V.35 Interface. The V.36 is pinned to RS-422 specifications.

DB-25 Male to V.35 Male Adapter Cable Pin Assignments

DB-25 Male CONNECTOR	34-PIN Male CONNECTOR	CIRCUIT NAME
Pin Number	Pin Number	
7	B	Signal Ground
4	C	Request-to-Send (RTS)
5	D	Clear-to-Send (CTS)
6	E	Data Set Ready (DSR)
8	F	Received Line Signal Detect (LSD)
20	H	Data Terminal Ready (DTR)
21	J	Ring Indicator (RI)
18	L	Local Loopback (LL)
19	N	Remote Digital Loopback (RL)
24+, 11-	P+, S-	Transmit Data (TXD)
23+, 22-	R+, T-	Received Data (RXD)
15+, 2-	U+, W-	Transmitter Signal Element Timing - DTE Source
16+, 3-	V+, X-	Receiver Signal Element Timing - DCE Source
14+, 1-	Y+, AA-	Transmitter Signal Element Timing - DCE Source
25	NN	Test Mode (TM)
13	A	Earth Ground

If you require further technical assistance or information please call or write:

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