



APPLICATION

The CIC-50 Interface Converter provides the interface between T1 or E1 and G.703 data or EIA-422 data required by the CDM-550 modem.

FEATURES

For convenience, the CIC-50 may be attached directly to the modem using the 25 D subminiature data connector, or through a short data cable to the modem. Additional features of the CIC-50 include:

- Clock recovery from user G.703 data
- Line build out to a maximum of 655 feet
- E1 G.703 data, AMI or HDB3
- T1 G.703 data, AMI or B8ZS
- Balanced connection to 15 D female connector
- Unbalanced connection to BNC connectors
- LED indication of loss of signal and bipolar violations

OPERATION

The CIC-50 converter attaches to the rear of the modem. No external power is required and all settings are made on the CIC-50 using three switches. The modem may be set for either 1544 or 2048 Mbps data rate with an interface type of EIA-422.

Transmit clocking set to INT drives the modem's internal transmit data rate clock to the converter on the ST lines to provide a high stability reference for the G.703 clock recovery circuitry.

The CIC-50 may be used with the CRS-200 switch by attaching the converter through a short data cable to the user port of the traffic modem interface.

CIC-50 COMPONENTS

- CIC-50 interface converter
- 8-inch data cable CA/WR0056
- Longer cable lengths are available
 - 2' CA/WR0063
 - 4' CA/WR0064
 - 5' CA/WR0066

INTERFACE SPECIFICATIONS

Type	T1/E1 G.703 Interface Converter
Operating Modes	E1 (2048 kbps) balanced (120 Ohms) and unbalanced (75 Ohms) T1 (1544 kbps) unbalanced (100 Ohms) Per ITU Recommendation G.703
Jitter and Wander	Per ITU Recommendations G.823 and G.824
Data Interface	EIA-422
Power Supply	2.0 Watts maximum, power from modem +12 volts DC -12 volts DC
Dimensions	2.5 x 4 x 1.125 inches 6.35 x 10.16 x 2.858 centimeters
Weight	1 lb .4535 kg



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