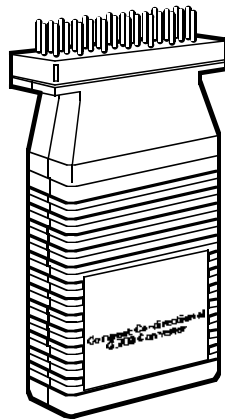


## Compact Codirectional G.703 Converters



► Supports bi-directional synchronous communication at 64 Kbps.

► Point-to-point distance of up to 1600 m (5250 ft.) on 24 AWG twisted pair.

► Complies with CCITT/ITU G.823 jitter-control specifications.

► Includes a power supply.

### Specifications

**Speed** — 64 Kbps

**Applications** — G.703/64 Kbps co-directional PCM network or CSU/DTE conversion to CCITT/ITU V.24, CCITT/ITU V.35, or CCITT/ITU X.21

**Clocking** — Internal, External, or Network

**Connectors** — All: (1) RJ-45;  
IC700A: (1) DB25 male;  
IC701A: (1) M/34 male;  
IC702A: (1) DB15 male

**Indicators** — LEDs: (1) TM,  
(1) SYNC

**Line Encoding** — AMI

**Isolation** — 1500 VRMS isolation, transformer coupled

**Jitter Performance** —  
CTR 14, G.823

**G.703 Interface** —  
Symmetrically balanced pairs, 4 wire, 120 ohm terminated to female RJ-45

### G.703 Input Signal

**Level** — 2.0V differential, into 120 ohms, nominal

**Max. Cable Loss** —  
0 to -10 dB

**Surge Protection** — Device  
Response Time: 100 ns;  
Clamp Voltage: 8.5V ± 1V

**Temperature Range** —  
32 to 140°F (0 to 60°C)

**Relative Humidity Tolerance** — 5 to 95%,  
noncondensing

**Maximum Altitude Tolerance** — Up to 4572m  
(15,000 feet)

**Power** — 115-VAC, 50 -60Hz external power supply;  
**Size** — IC700A: 1.8H x 5.1W x 12.7D cm (0.7"H x 2"W x 5"D); IC701A, IC702A: 1.8Hx 5.1W x 8.6D cm (0.7"H x 2"W x 3.4"D)

### Technically Speaking

Connect your V.35, RS-232, or X.21 device to a 64-Kbps G.703 network with these Compact Codirectional G.703 Converters.

Three models are available. The IC700A plugs directly into an RS-232 DTE and is equipped with a male DB25 connector. The IC701A plugs directly into a V.35 DTE and is equipped with an M/34 male connector. The IC702A plugs

into an X.21 DTE and is equipped with a male DB15 connector at the end of a 6-ft. (1.8-m) cable. All versions come with an RJ-45 jack for 120-ohm twisted-pair network termination.

The Converters incorporate local loopback and G.703 loopback diagnostic modes. And for protection against ground loops and transient surges, the Converters incorporate both transformer isolation and surge protection.

### For these and other components...

Call our expert Technical Support Staff for all your Converter needs. They'll help you find the best equipment for your application.

## Ordering Information

This information will help you place your order quickly.

PRODUCT NAME	ORDER CODE
Compact Codirectional G.703 Converters	
RS-232 (V.24) DTE.....	IC700A
V.35 DTE.....	IC701A
X.21 DTE.....	IC702A