

## Compact Codirectional G.703 Converters

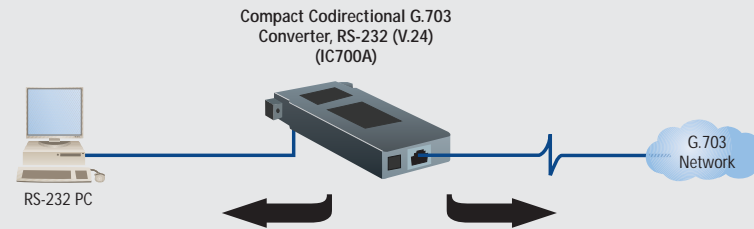


Link ordinary devices to a G.703 network—  
at speeds up to 64 kbps.

## FEATURES

- Supports bidirectional synchronous communication at 64 kbps.
- Point-to-point distance of up to 5250 feet (1600.2 m) on 24 AWG twisted pair.
- Complies with CCITT/ITU G.823 jitter-control specifications.
- Includes a power supply.
- Models available for RS-232, V.35, and X.21 interfaces.
- Includes transformer isolation and surge protection.

Reach 64-kbps speeds by linking an RS-232 PC to your G.703 network.



## OVERVIEW

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 features a male M/34 connector.
- The IC702A plugs into an X.21 DTE and has a male DB15 connector at the end of a 6-foot (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 have both transformer isolation and surge protection.

Place your V.35, RS-232, or X.21 device up to 5250 feet (1600.2 m) away from the G.703 network (using 24 AWG twisted-pair cable).

The converter conforms to common CCITT jitter-control standards.

Clocking options are internal, external, or network.

An external power supply is included with the converter.

## TECH SPECS

**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

**Compliance** — FCC Class A, EN 55022, EN 50082-1, EN60950, CTR 14

**Clocking** — Internal, external, or network

**Line Encoding** — AMI

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

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

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

**G.703 Input Signal Level** — 2.0V differential into 120 ohms, nominal

**Maximum Cable Loss** — 0 to -10 dB

**Device Response Time** — 100 ns

**Clamp Voltage** — 8.5V ±1V

**Distance (Maximum)** — Up to 5250 ft. (1600.2 m), point-to-point, on 24 AWG twisted-pair cable

**Connectors** — IC700A: (1) DB25 male, (1) RJ-45;

IC701A: (1) M/34 male, (1) RJ-45;

IC702A: (1) DB15 male, (1) RJ-45

**Indicators** — (2) LEDs: (1) TM, (1) SYNC

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

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

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

**Power** — 115-VAC, 60-Hz external power supply; 115-230-VAC version available on request

**Size** — IC700A: 0.7"H x 2"W x 5"D (1.8 x 5.1 x 12.7 cm);

IC701A-IC702A: 0.7"H x 2"W x 3.4"D (1.8 x 5.1 x 8.6 cm)

## WHAT'S INCLUDED

- ◆ Compact Codirectional G.703 Converter
- ◆ (1) 115-VAC, 60-Hz external power supply
- ◆ A user's manual

Item	Code
Compact Codirectional G.703 Converters	
RS-232 (V.24), DTE	<b>IC700A</b>
V.35, DTE	<b>IC701A</b>
X.21, DTE	<b>IC702A</b>

You might also need cable...

CAT5 Solid-Conductor Cable

**EYN737MS**