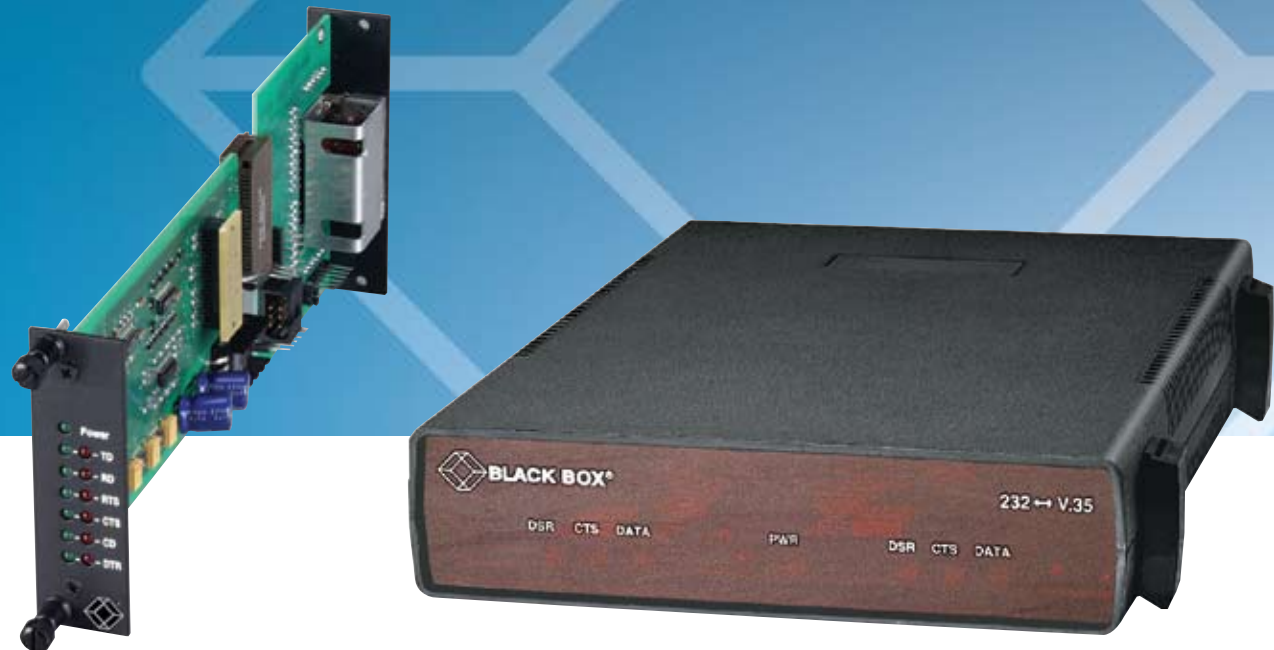


V.35 Interface Converters

Match up your V.35 and RS-232/V.24 or RS-422 equipment—just add a V.35 Interface Converter!



FEATURES

- » Bidirectional data conversion in three formats:
 - RS-232↔V.35
 - RS-422↔V.35
 - MicroConverter RS-232/V.24↔V.35.
- » DCE or DTE jumper-selectable.
- » Transparent to speed and protocol.
- » Maximum speeds of 64 kbps (RS-232÷V.35 models), 200 kbps (MicroConverter RS-232/V.24÷V.35 models), and 2.5 Mbps (RS-422 ÷V.35 models).

The MicroConverter RS-232/V.24↔V.35 allows two incompatible pieces of equipment to communicate.



OVERVIEW

RS-232, RS-422, and V.24 interfaces are incompatible with V.35, aren't they? Not when you use a Black Box [V.35 Interface Converter](#).

Choose from two standalone, two rackmount card, and four micro models. These converters are bidirectional data converters, DCE or DTE switch-selectable on each end, and transparent to speed and protocol. Configure each side of the converter as a DCE or DTE. The side that's configured as a DCE connects to a DTE. And the side that's configured as a DTE connects to a DCE. With the converters, you can only connect a DCE to a DTE, and vice versa. You cannot connect two DCEs or two DTEs together using the converter.

The micro models are also interface-powered, so no AC power is required.

In a typical application, your V.35 modem connects to your RS-232 or RS-422 terminal via one of our [V.35 interface converters](#). Connect one side of the converter to V.35 cable and the other side to RS-232 cable. Your incompatible devices can now talk to each other.

RS-232↔V.35 Interface Converter and RS-422↔V.35 Interface Converter

These converters are available as a standalone box or a rackmountable card. Choose 115- or 230-VAC versions.

The converters provide bidirectional conversion of all commonly used V.35 and RS-232 signals. One port is configured as DTE (for RS-232/RS-422 or V.35 terminal equipment) and the other is DCE (for RS-232/RS-422 or V.35 modem equipment). This model, too, connects a DTE to a DCE, or vice versa, but not a DTE to DTE nor DCE to DCE.

MicroConverter RS-232/V.24↔V.35

Used in synchronous applications, this converter operates at speeds up to 64 kbps. It connects a V.24 interface to a V.35 interface. It converts the physical as well as the electrical interface.

This bidirectional data converter includes an integral 6.5-ft. (2-m) cable with a 34-pin, V.35 male or female connector on one end. So you save the cost of a cable.

And the converter operates without AC power, using ultra-low power from the DTE and DCE equipment's data and control signals.

The pocket-sized converter weighs less than a pound—including cable and connector. It'll fit just about anywhere.

It's plug-and-play, lightweight, and compact for easy installation.

TECH SPECS



IC221A-R3



IC721A-F

RS-232↔V.35:

Speed — Up to 64 kbps

Operation — Synchronous, transparent to protocol

User Controls — (1) DCE/DTE switch

Interface — RS-232, V.35; both interfaces DTE/DCE selectable

Connectors — RS-232: DB25 male; V.35: (1) 34-pin female "M" block

Power — 115 VAC, 60 Hz, 13 watts (230-VAC model available on request)

Size — IC221A-R3: 2.1"H x 8.8"W x 11.5"D (5.3 x 22.4 x 29.2 cm);

IC221C-R3: 1.2"H x 7.5"W x 10.5"D (3 x 19.1 x 26.7 cm)

Weight — 2 lb. (0.9 kg)

RS-422↔V.35:

Speed — Up to 2.5 Mbps

Operation — Synchronous, transparent to protocol

User Controls — (1) DCE/DTE switch

Interface — RS-422, V.35

Connectors — RS-422: (1) DB37 female (pinned to RS-449 specifications);

V.35: (1) female 34-pin "M" Block

Power — 115 VAC, 60 Hz, 16 watts (230-VAC model available on request)

Size — IC483A-R2: 2.3"H x 8"W x 11.9"D (5.8 x 20.3 x 30.2 cm);

IC483C-R2: 1.2"H x 7.5"W x 10.5"D (3 x 19.1 x 26.7 cm)

Weight — 2 lb. (0.9 kg)

MicroConverter RS-232/V.24↔V.35:

Speed — Up to 200 kbps

Operation — Synchronous, transparent to protocol

Cable Length — 6.5 ft. (2 m)

User Controls — (1) DCE/DTE switch

Interface — V.24/RS-232, V.35

Connectors — IC720A-M: (1) DB25 male, (1) M/34 male;

IC720A-F: (1) DB25 male, (1) M/34 female;

IC721A-F: (1) DB25 female, (1) M/34 female;

IC721A-M: (1) DB25 female, (1) M/34 male

Power — From the interface

Size — 0.9"H x 2.1"W x 4.3"D (2.3 x 5.3 x 10.9 cm)

Weight — 0.9 lb. (0.4 kg), including cable and connector

What's included

RS-232↔V.35 and RS-422↔V.35 Interface Converters:

- ◆ Converter, housed in a sturdy black box
- ◆ Power adapter
- ◆ Users' manual

MicroConverter RS-232/V.24↔V.35:

- ◆ Converter, built into an oversized connector hood
- ◆ 6.5-foot (2-m) attached cable
- ◆ 34-pin male or female V.35 or V.24 connector (please specify gender)
- ◆ Users' manual

Item

Code

RS-232↔V.35 Interface Converter	
Standalone	IC221A-R3
Rackmount Card	IC221C-R3
RS-422↔V.35 Interface Converter	
Standalone	IC483A-R2
Rackmount Card	IC483C-R2
MicroConverter RS-232/V.24↔V.35	
DB25 Male, M/34 Male	IC720A-M
DB25 Male, M/34 Female	IC720A-F
DB25 Female, M/34 Female	IC721A-F
DB25 Female, M/34 Male	IC721A-M

You might also need...

V.35 Interface Cable, 10-ft. (3-m),
Male/Male

EYN450-0010-MM

RS-232 Cable, 25-Conductor, DB25 Male/DB25 Male,
10-ft. (3-m)

ECM25C-0010-MM