

Interface-Powered Converters

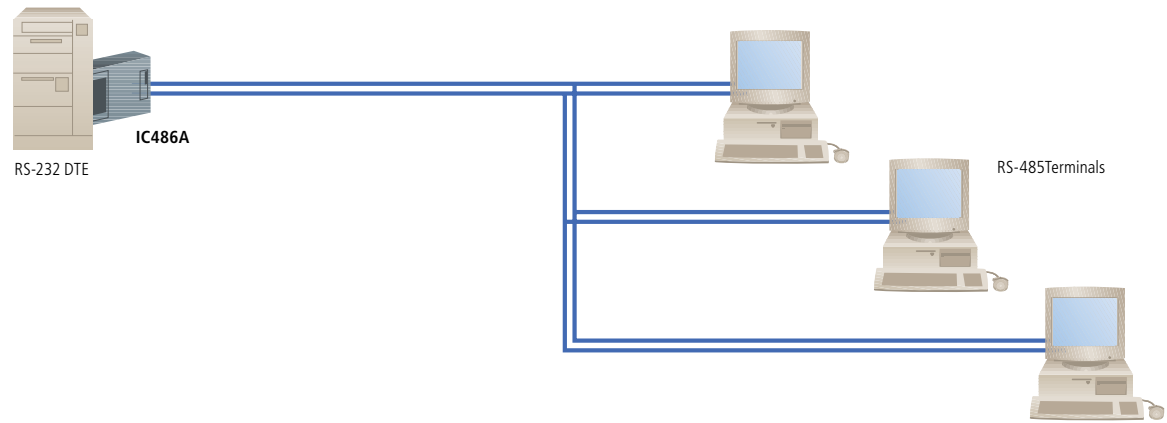
Compact converters for most common interfaces.



FEATURES

- » Protocol transparent.
- » Interface powered.
- » Include cable and connectors.
- » Lightweight and compact for installing in tight spaces.

Use the DB25 Female (DCE)/Terminal Block Interface-Powered Converter (IC486A) in a multipoint environment to convert between an RS-232 device and RS-485 terminals.



OVERVIEW

Interface-Powered Converters enable connections between datacomm equipment with different interfaces (RS-232 and RS-485). They operate in sync or async applications and enable data rates up to 2.048 Mbps (with balanced interfaces at both ends of the connection) or up to 200 kbps (with an RS-232 or V.35 interface at one end of the connection).

Interface-Powered Converters perform both the physical and electrical conversion between the two interfaces. Their circuitry is designed to provide short-range interface conversion.

Simple to install, the converters feature a DTE/DCE switch to plug directly into the DTE/DCE equipment. All models draw ultra-low power from the DTE and DCE equipment data and control signals.

Choose from a wide variety of converters for your DB25, V.35, or terminal block connections!

TYPICAL APPLICATIONS

These converters can be used in a wide variety of applications. Here are just a few.

- Connect a sync terminal with an RS-232 interface to a sync modem with an RS-530 interface.
- Connect a computer with an RS-232 interface to several terminals with RS-485 interfaces.
- Use an RS-232 computer with an RS-485 printer.



TECH SPECS

Protocol —

IC952A–IC953A, IC237A, IC487A-F, IC954A-M, IC482A, IC960A–IC961A,
 IC964A: Sync or async;
 IC486A: Async only;
 IC238A-F, IC238A-M: Sync only

Speed (Maximum) — IC952A–IC953A, IC237A, IC487A-F, IC954A-M,
 IC960A–IC961A, IC964A, IC238A-F, IC238A-M: 200 kbps;
 IC486A: 38.4 kbps;
 IC482A: 2.048 Mbps

Switch-Selectable DTE/DCE — IC952A–IC953A, IC237A, IC487A-F,
 IC954A-M, IC238A-F, IC238A-M

CE Approval — Yes

Connectors —

IC952A: (1) DB25 F (DTE/DCE selectable), (1) 5-screw terminal block;
 IC953A: (1) DB25 M (DTE/DCE selectable), (1) 5-screw terminal block;
 IC237A: (1) DB25 M (DTE/DCE selectable), (1) DB25 F (DTE/DCE
 selectable);
 IC486A: (1) DB25 F (DCE), (1) 5-screw terminal block;
 IC487A-F: (1) DB25 M (DTE/DCE selectable), (1) DB37 F (DTE/DCE
 selectable);
 IC954A-M: (1) DB25 M (DTE/DCE selectable), (1) DB37 M (DTE/DCE
 selectable);
 IC482A: (1) V.35 M (DTE), (1) DB37 F (DCE);
 IC960A: (1) V.35 M (DCE), (1) DB37 M (DTE);
 IC961A: (1) V.35 M (DCE), (1) DB25 M (DTE);
 IC964A: (1) V.35 M (DTE), (1) DB25F (DCE);
 IC238A-F: (2) DB25 F (DTE/DCE selectable);
 IC238A-M: (2) DB25 M (DTE/DCE selectable)

Temperature — 32 to 122°F (0 to 50°C)

Humidity — 10 to 90% noncondensing

Power — From interface

Size — 0.9"H x 2.1"W x 4.3"D (2.3 x 5.3 x 10.9 cm) plus 6.5-ft. (2-m) cable

Weight — 0.9 lb. (0.4 kg)

Item

Interface-Powered Converters

DB25 Female (DTE/DCE)/Terminal Block
 DB25 Male (DTE/DCE)/Terminal Block
 DB25 Male (DTE/DCE)/DB25 Female (DTE/DCE)
 DB25 Female (DCE)/Terminal Block
 DB25 Male (DTE/DCE)/DB37 Female (DTE/DCE)
 DB25 Male (DTE/DCE)/DB37 Male (DTE/DCE)
 V.35 Male (DTE)/DB37 Female (DCE)
 V.35 Male (DCE)/DB37 Male (DTE)
 V.35 Male (DCE)/DB25 Male (DTE)
 V.35 Male (DTE)/DB25 Female (DCE)
 DB25 Female (DTE/DCE)/DB25 Female (DTE/DCE)
 DB25 Male (DTE/DCE)/DB25 Male (DTE/DCE)

Code

IC952A
IC953A
IC237A
IC486A
IC487A-F
IC954A-M
IC482A
IC960A
IC961A
IC964A
IC238A-F
IC238A-M

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognize any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p.m. and you need help, but your vendor's tech support line is closed.

According to a survey by *Data Communications* magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application. Don't waste time and money—call Black Box today.