PIC-011
Ethernet to RS232

Description

PIC-011 Ethernet to RS232 converter, allows you to integrate your existing RS232 enabled equipment into your Ethernet network. The module can be configured to suit your mounting needs.

Ethernet to RS232 transceiver module embedded on a miniature 40x40mm PCB board. The module can accept a wide range of input voltage ranging from 5Vdc to 24Vdc, up to a maximum of 60Vdc (high voltage version).

Features

1. Easy to integrate into your existing electrical system, accepting input ranging from 5V, 12V, to 24V.
2. Smallest configuration size measuring 40 x 40 x 18mm (L x W x H).
3. Configurable for DCE (Device) or DTE (PC) use.
4. Configurable IP address/port, network mask, RS232 settings.
5. Designed for mounting RS232 socket on the top/bottom of the PCB.
6. RS232 D-Sub connector (90˚/Straight PCB mount, male/female)
7. Pluggable screw terminal for the power supply input.
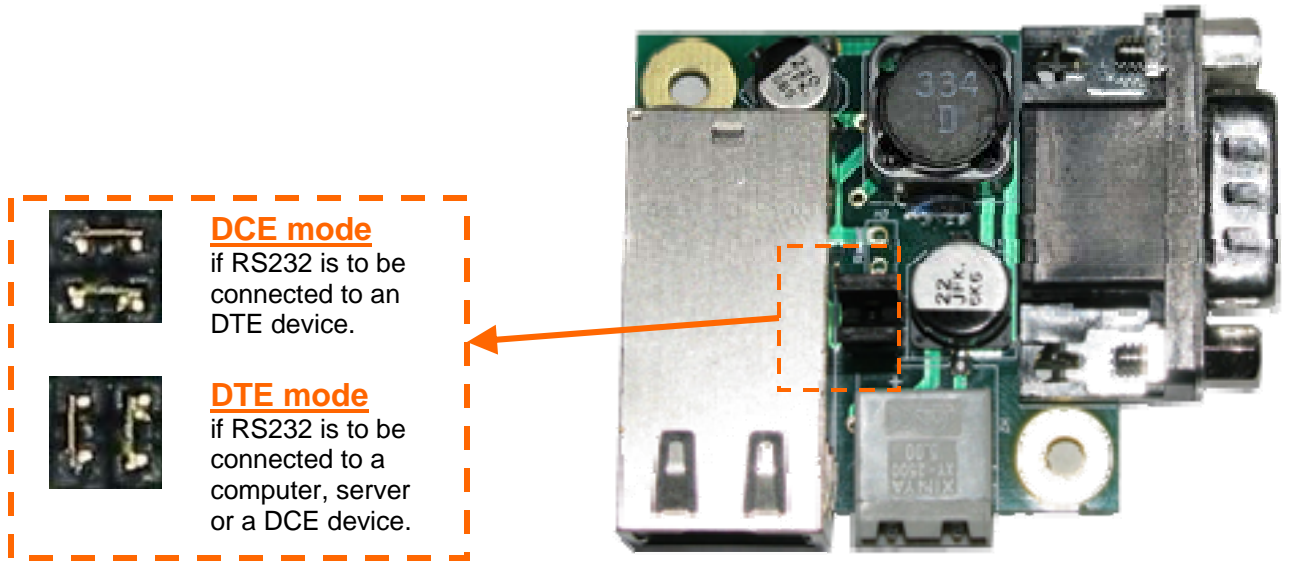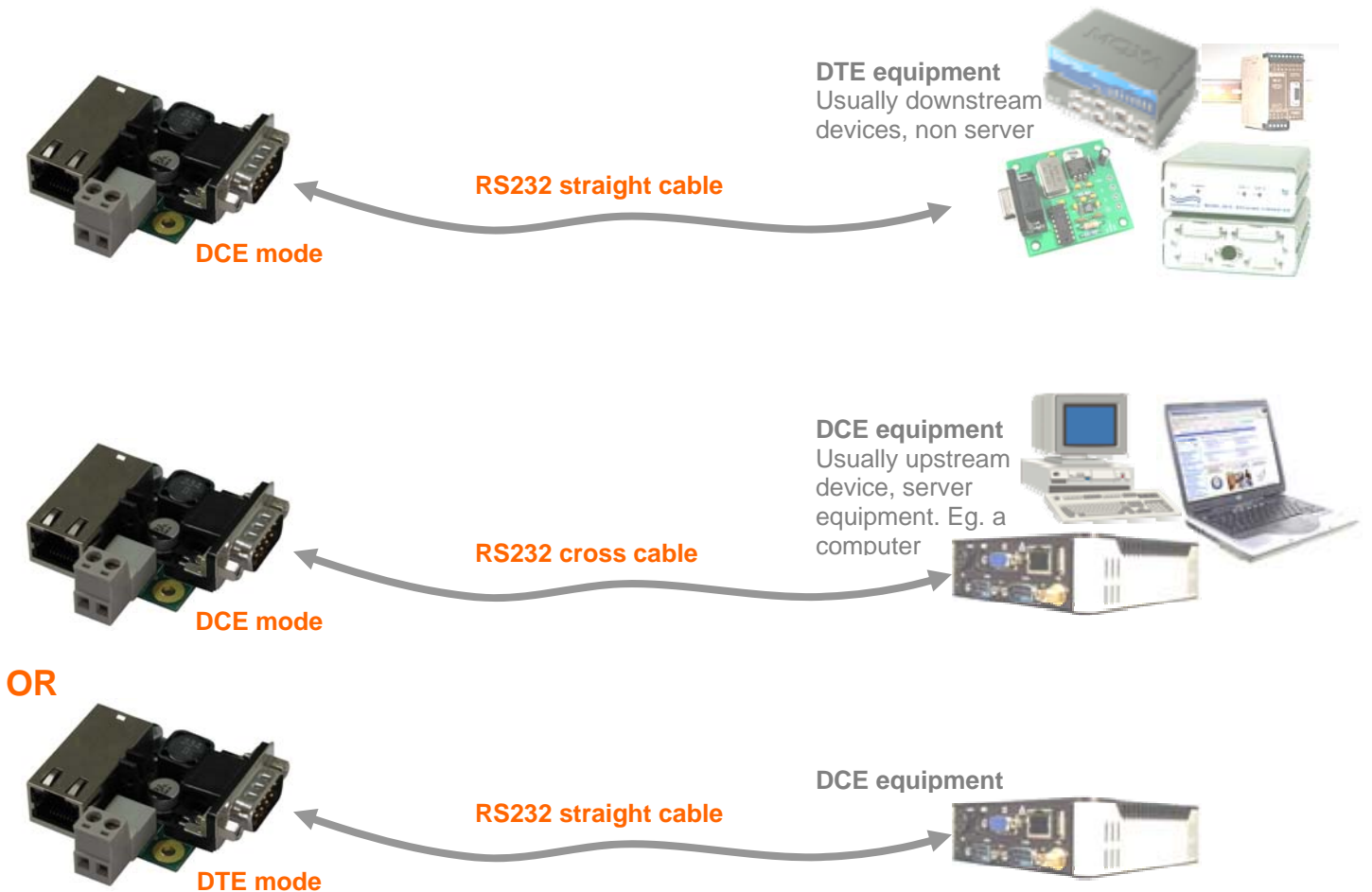8. Hole mount for your chassis enclosure and electrical DB junction box.

Configuration

DCE mode
if RS232 is to be connected to an DTE device.

DTE mode
if RS232 is to be connected to a computer, server or a DCE device.

Fig: Jumper configuration

DTE equipment
Usually downstream devices, non server

DCE mode

RS232 straight cable

DCE equipment
Usually upstream device, server equipment. Eg. a computer

DCE mode

RS232 cross cable

OR

DCE equipment

DTE mode

RS232 straight cable

	Picture not available
DB9 connector (right angle) **Top of the PCB.**	**DB9 connector (straight)** **Top of the PCB.**

Picture not available	
DB9 connector (right angle) **Bottom of the PCB.**	**DB9 connector (straight)** **Bottom of the PCB.**

Fig: Various possible mounting for RS232 DB9 connector

Note: RS232 DB9 male connector is mounted on the top of the PCB board in the default configuration. Modification to the data line is required if the PCB DB9 mating connector is female or if mounted on the reverse side of the PCB board.

Mechanical Dimension

Fig: Mechanical Dimension

Specifications & Features

Data Communication	
Type	**Ethernet** and **RS232**

Interface	
Connector	**RJ45, D-sub 9 pins** (male/female)

Power Source	
Input Voltage	**5Vdc to 24Vdc** (standard version)
	Up to 60Vdc (enhanced version)
Input Current	---
Power	---
Connector	Screw terminal

Environment	
Operating Temperature	**0˚C to 70˚C** (standard version)
	-40˚C to 85˚C (enhanced version)
Storage Temperature	**-40˚C to 85˚C**

Size	**40 x 40 x 18 mm**,
	L x W x H (RS232 connector mounted on the top layer)

Weight	**40g** (±0.5g)

Accessories	Power cable from USB port (suitable for selected PC)

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