

ISA 8 Port Serial Boards With Or Without Isolation

PC 231 & 241

Registered
ISO 9001
Company

- **Windows 95/8 & NT/2000 drivers included**
- **Eight RS232 or RS422/485 serial ports on one board**
- **A choice of 9 or 25 pin D connectors on screened adaptors or octopus cable**
- **Shared interrupt support, use IRQ 3,4,5,7,10,11,12 & 15**
- **Install up to 8 boards providing 64 ports in all**
- **Integrated FIFO for input and output on every channel**
- **Isolated versions solve ground potential and noise problems**
- **Easy full or half duplex RS485 operation**
- **Data rates to 115.2k baud**
- **Ideal for distributed data acquisition & process monitoring**



PC231 and PC241 are our most comprehensive serial boards to date, they use the latest surface mount devices to produce industrial grade, feature packed products without the usual cost penalties.

Multiport isolation available

Each board has 8 independent serial data communication channels, PC231 has RS232 ports and PC241 has RS422/485 ports.

For applications requiring multi port isolation to reject ground noise and offsets we offer PC231i and PC241i where each port is isolated from every other and from the host PC to withstand 75V.

Neat screened termination

All signals are carried on one 78 pin D connector and we offer two rugged screened adaptors which provide eight 9 pin or 25 pin connectors, one for each channel.

RS232, RS422 and RS485 pinouts compatible with the rest of our range are automatically provided by the adaptors which can be mounted securely by using self tapping screws or bolts.

You can add custom cabling

For users who prefer to make up their own cables a 78 pin connector kit is available.

DESCRIPTION	PRODUCT CODE
PC231 8 port RS232 board with manual and test software	909 459 03
PC241 8 port RS422/485 board with manual and test software	909 459 13
PC231i 8 port isolated RS232 board with manual and test software	909 459 23
PC241i 8 port isolated RS422/485 board with manual and test software	909 459 33
Octopus cable for 8 port serial boards with 8 male 9 pin D connectors	909 865 98
Octopus cable for 8 port serial boards with 8 male 25 pin D connectors	909 663 91
9 pin screened adaptor for 8 port boards	909 459 63
25 pin screened adaptor for 8 port boards	909 459 73
78 pin connector kit	919 459 53

No short cuts on control

All RS232 and RS422 control lines are bought out on the boards 78 pin connector and they are made available on the optional adaptors too.

RS485 half duplex can be controlled by RTS so some existing software written for RS232 will operate without modification on PC241 or PC241i.

Designed for demanding environments

Our 8 port boards share all the features of our very popular 2 port boards which are designed for electro magnetic compatibility, the boards and adaptors carry the CE mark. Support for the ISA shared interrupt protocol allows all ports from one or more boards to share the same interrupt line. All normally accessible ISA interrupts are available and a 16 byte input and output FIFO is included on every channel. ESD protected devices on all serial data and control lines increases resistance to accidental static damage.

Up to 64 ports in one computer

An additional feature of the PC231 and PC241 is the facility to install up to 8 boards in the same computer so providing up to 64 independent serial ports. The boards can be mixed to give some RS232 and some RS422/485 ports if required.



Test software included

As with all Amplicon 200 Series boards a comprehensive application and technical manual is included with every PC231 or PC241 and we supply DOS test software which allows you to quickly confirm correct installation and operation of your board.

Our drivers simply add more serial ports to your Windows 95/98 or NT operating system so any program you write can make use of them.

Like our boards the drivers support ISA shared interrupts so you can add several serial boards with different configurations to your system and still only use one or two interrupts.

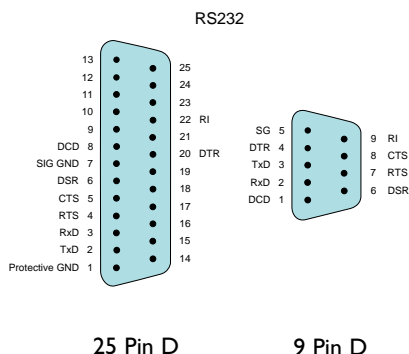
The drivers install automatically and can be configured just like any other device driver you might install, up to 64 serial ports are supported and flexible control features, such as handshaking on a channel by channel basis, are included.

All manuals will shortly be supplied on CD ROM.

SPECIFICATION

As PC247, 248 & 249 on previous pages, plus:

Power	5V @ under 1000mA
Connectors	metal shell D type 78 way connector female
MTBF	90,000 hours
Compliance	CE EMC



Value Pack

A better deal

ValuePacks are available on carefully selected Amplicon products for OEM applications. Every product we produce has an individual manual and in many cases software discs too, so there are occasions when the multiple user gets more than needed.

What do I get in a ValuePack?

A ValuePacks consist of 5 products, 1 manual and 1 set of software discs if applicable.

Why bother?

ValuePacks reduce the cost of each product to you the user and reduce the waste of unnecessary manuals and software discs.

Which products apply?

- *Model 485 RS232 to 422/485 converters - page 92
- *Model 232i RS232 isolator - page 100
- PC27E analog input board - page 154
- PC26AT analog input board - page 163
- PC30AT multifunction board - page 163
- PC36AT digital I/O board - page 157
- PC214E digital I/O board and counter board - page 156
- PC263 relay board - page 155
- PC247 dual port RS232 boards - page 108
- PC248 dual port RS232 & RS422/485 boards - page 108
- PC249 dual port RS422/485 board - page 108

ValuePacks offer increased savings over quantity discounts and are ideal for existing users who want the best prices without committing to enormous quantities. Having one manual and a copy of the latest software ensures you keep up to date with any improvements we might make to the product you use.

ValuePack prices will sometimes be subject to special additional discounts available from our sales engineers.

To find out how much you could save ring 0800 525 335

* Pack of 10pcs at 25pc pricing