

A2018 card user guide

A2018 card is one or two serial ports ISA card. Each serial port can be assign I/O mapping in COM1—COM8 and IRQ.

Before installation we need to set DIP Switch in SW1 location for one serial port mode (bit4 in OFF location) or two serial ports mode (bit4 in ON location) and other bit to set target I/O mapping for serial port.

In two serial ports mode we can set target I/O mapping via bit1 and bit2 of SW1:

- a) bit1=ON bit2=ON will set port A in 0x3E8(COM3) and port B in 0x2E8(COM4).**
- b) bit1=OFF bit2=ON will set port A in 0x3F8(COM1) and port B in 0x2F8(COM2).**
- c) bit1=ON bit2=OFF will set port A in 0x3E0(COM5) and port B in 0x2E0(COM6).**
- d) bit1=OFF bit2=OFF will set port A in 0x338(COM7) and port B in 0x238(COM8).**

In one serial port mode we can set target I/O mapping via bit1, bit2 and bit3 of SW1:

- a) bit1=ON bit2=ON bit3=ON will set port A in 0x3E8(COM3).**
- b) bit1=OFF bit2=ON bit3=ON will set port A in 0x3F8(COM1).**
- c) bit1=ON bit2=OFF bit3=ON will set port A in 0x3E0(COM5).**
- d) bit1=OFF bit2=OFF bit3=ON will set port A in 0x338(COM7).**
- e) bit1=ON bit2=ON bit3=OFF will set port A in 0x2E8(COM4).**
- f) bit1=OFF bit2=ON bit3=OFF will set port A in 0x2F8(COM2).**
- g) bit1=ON bit2=OFF bit3=OFF will set port A in 0x2E0(COM6).**
- h) bit1=OFF bit2=OFF bit3=OFF will set port A in 0x238(COM8).**

Following is IRQ for selection:

IRQ3, 4, 5, 7, 10, 11, 12, 15.

We can use jumper for target IRQ setting in each serial port. When we use in single serial port mode, we must remove jumper for port B to release IRQ resource.

Factory Default setting:

Port A: COM3 mode IRQ5

Port B: COM4 mode IRQ10.

SW1: bit1=ON, bit2=ON, bit3=ON, bi4=ON