

TC 210 I/O Card User Manual

TC 210 I/O Card is based on the Startech ST16C552CJ I/O chip.

Features:

- Two high-speed NS 16550 serial ports with FIFO
 - IRQs 3,4,5,9,10,11,12,15
 - addresses 3F8h, 2F8h, 3E8h, 2E8h, 368h, 268h
 - speed selectable – normal, $\times 2$ or $\times 4$
- One bi-directional parallel port, IRQ5 or IRQ7, address 378h or 278h

Jumper settings:

JP1: Serial ports I/O address selection

COM-A: 1~C (select **3F8h**, 2F8h, 3E8h, 2E8h, 368h or 268h)

COM-B: 2~C (select 3F8h, **2F8h**, 3E8h, 2E8h, 368h or 268h)

Selecting no I/O address will disable the port.

JP2: Parallel port (LPT-A) I/O address selection

1~2: **378h**

2~2: 278h

Selecting no I/O address will disable the port.

JP3: Parallel port (LPT-A) mode selection

Closed: **4-bit Uni-Directional mode**

Open: 8-bit Bi-Directional mode

JP4: Serial ports IRQ selection

COM-A: 1~C (select IRQ 3, **4**, 5, 9, 10, 11, 12 or 15)

COM-B: 2~C (select IRQ **3**, 4, 5, 9, 10, 11, 12 or 15)

Serial ports will not work correctly with no IRQ selected.

JP5: Parallel port (LPT-A) IRQ selection

1~2: **IRQ 7**

2~3: IRQ 5

Parallel port will work with no IRQ selected.

JP6: Serial ports speed selection

X1: **Normal speed (115200)**

X2: Normal speed $\times 2$ (230400)

X4: Normal speed $\times 4$ (460800)

Higher speeds are recommended for modems with high-speed serial ports.

Bold indicates default setting.

Standard port settings:

Port	I/O Address	IRQ
LPT1	378h	7
LPT2	278h	5
COM1	3F8h	4
COM2	2F8h	3
COM3	3E8h	4
COM4	2E8h	3
COM5	368h	any
COM6	268h	any

Typical IRQ usage:

IRQ 5: many sound cards.

IRQ 12: PS/2 mouse port

IRQ 15: secondary channel of IDE controller

Connectors:

CN1: Serial Port B (COM-B) pins to connect 9-pin or 25-pin D-SUB male connector

CN2: Serial Port A (COM-A) 9-pin D-SUB male connector

CN3: Parallel port (LPT-A) 25-pin D-SUB female connector