

S1985 I/O port mirroring

A7	A6	A5	A4	A3	A2	A1
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Printer – primary

1	0	0	1	0	0	0
1	0	0	1	0	0	0
1	0	0	1	0	0	1

Printer – alt - probably usable

					A2	
1	0	0	1	0	1	0
1	0	0	1	0	1	0
1	0	0	1	0	1	1

VDP – primary

1	0	0	1	1	0	0
1	0	0	1	1	0	0
1	0	0	1	1	0	1
1	0	0	1	1	0	1

VDP – alt - fully usable

					A2	
1	0	0	1	1	1	0
1	0	0	1	1	1	0
1	0	0	1	1	1	1
1	0	0	1	1	1	1

PSG – primary

1	0	1	0	0	0	0
1	0	1	0	0	0	0
1	0	1	0	0	0	1

PSG – alt - fully usable

					A2	
1	0	1	0	0	1	0
1	0	1	0	0	1	0
1	0	1	0	0	1	1

PPI – primary

1	0	1	0	1	0	0
1	0	1	0	1	0	0
1	0	1	0	1	0	1

1	0	1	0	1	0	1
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PPI – alt - fully usable

A2

1	0	1	0	1	1	0
1	0	1	0	1	1	0
1	0	1	0	1	1	1
1	0	1	0	1	1	1

RTC – primary

1	0	1	1	0	1	0
1	0	1	1	0	1	0

RTC – alt - fully usable

A1

1	0	1	1	0	1	1
1	0	1	1	0	1	1

(*) You can write (w), read (r) or both (w/r) to this port according to 1

Sheet1

A0	Port	Read / Write (*)
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0	90	W/R	Print strobe write, printer status read
1	91	W/R	Printer data write/read
1	93	W	Printer bus direction

0	94	W/R	Print strobe write, printer status read
1	95	W/R	Printer data write/read
1	97	W	Printer bus direction

0	98	W/R	
1	99	W/R	
0	9a	W/R	
1	9b	W/R	

0	9c	W/R	
1	9d	W/R	
0	9e	W/R	
1	9f	W/R	

0	a0	w	PSG address latch
1	a1	w	PSG data write
0	a2	r	PSG data read

0	a4	w	PSG address latch
1	a5	w	PSG data write
0	a6	r	PSG data read

0	a8	W/R	slot designation
1	a9	R	Keyboard return signal read
0	aa	W/R	Keyboard drive, cassette and PPI sound write/read

Sheet1

1	ab	W	Mode designation
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0	ac	W/R	slot designation
1	ad	R	Keyboard return signal read
0	ae	W/R	Keyboard drive, cassette and PPI sound write/read
1	af	W	Mode designation

0	b4	W	Clock and backup RAM address latch
1	b5	W/R	Clock and backup RAM write/read

0	b6	W	Clock and backup RAM address latch
1	b7	W/R	Clock and backup RAM write/read

the S1985 datasheet