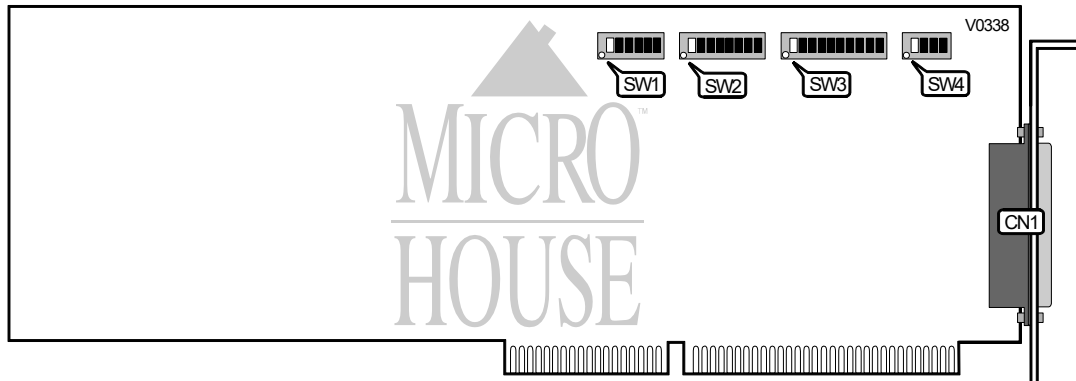# ARNET CORPORATION
SMARTPORT PLUS

Card Type   I/O controller
Chipset/Controller   Intel
I/O Options   Serial ports (8 - 32)
Maximum DRAM   N/A

CONNECTIONS	
Purpose	Location
DB-37 connector	CN1
Note: The DB-37 connector interfaces to an external connector box with 8 to 32 DB-25 ports.	

INTERRUPT SELECT										
IRQ	SW3/1	SW3/2	SW3/3	SW3/4	SW3/5	SW3/6	SW3/7	SW3/8	SW3/9	SW3/10
Dis.	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off
2	On	Off	Off	Off	Off	Off	Off	Off	Off	Off
3	Off	On	Off	Off	Off	Off	Off	Off	Off	Off
4	Off	Off	On	Off	Off	Off	Off	Off	Off	Off
5	Off	Off	Off	On	Off	Off	Off	Off	Off	Off
6	Off	Off	Off	Off	On	Off	Off	Off	Off	Off
7	Off	Off	Off	Off	Off	On	Off	Off	Off	Off
10	Off	Off	Off	Off	Off	Off	On	Off	Off	Off
11	Off	Off	Off	Off	Off	Off	Off	On	Off	Off
12	Off	Off	Off	Off	Off	Off	Off	Off	On	Off
15	Off	Off	Off	Off	Off	Off	Off	Off	Off	On

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I/O ADDRESS CONFIGURATION						
Address	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
100h	On	On	On	On	Off	On
110h	Off	On	On	On	Off	On
120h	On	Off	On	On	Off	On
180h	On	On	On	Off	Off	On
190h	Off	On	On	Off	Off	On
1A0h	On	Off	On	Off	Off	On
1B0h	Off	Off	On	Off	Off	On
200h	On	On	On	On	On	Off
270h	Off	Off	Off	On	On	Off
280h	On	On	On	Off	On	Off
290h	Off	On	On	Off	On	Off
2A0h	On	Off	On	Off	On	Off
2B0h	Off	Off	On	Off	On	Off
2C0h	On	On	Off	Off	On	Off
2D0h	Off	On	Off	Off	On	Off
2E0h	On	Off	Off	Off	On	Off
2F0h	Off	Off	Off	Off	On	Off
300h	On	On	On	On	Off	Off
310h	Off	On	On	On	Off	Off
340h	On	On	Off	On	Off	Off

MEMORY SIZE/LOCATION CONFIGURATION					
Size of Dual Port	Location	SW4/1	SW4/2	SW4/3	SW4/4
64KB	Determined by SW2	Off	Off	Off	Off
32KB	SW2 + 0	On	On	On	Off
32KB	SW2 + 32KB (8000h)	Off	On	On	Off
16KB	SW2 + 0	On	On	On	On
16KB	SW2 + 16KB (4000h)	On	Off	On	On
16KB	SW2 + 32KB (8000h)	Off	On	On	On
16KB	SW2 + 48KB (C000h)	Off	Off	On	On

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MEMORY ADDRESS CONFIGURATION								
Address	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6	SW2/7	SW2/8
080000h	On	On	On	Off	On	On	On	On
090000h	Off	On	On	Off	On	On	On	On
0C0000h	On	On	Off	Off	On	On	On	On
0D0000h	Off	On	Off	Off	On	On	On	On
0A0000h	On	Off	On	Off	On	On	On	On
180000h	On	On	On	Off	Off	On	On	On
800000h	On	On	On	On	On	On	On	Off
810000h	Off	On	On	On	On	On	On	Off
C00000h	On	On	On	On	On	On	Off	Off
C10000h	Off	On	On	On	On	On	Off	Off
C20000h	On	Off	On	On	On	On	Off	Off
E00000h	On	On	On	On	On	Off	Off	Off
E10000h	Off	On	On	On	On	Off	Off	Off
E20000h	On	Off	On	On	On	Off	Off	Off
F00000h	On	On	On	On	Off	Off	Off	Off
F10000h	Off	On	On	On	Off	Off	Off	Off
F20000h	On	Off	On	On	Off	Off	Off	Off
F30000h	Off	Off	On	On	Off	Off	Off	Off
F40000h	On	On	Off	On	Off	Off	Off	Off
F50000h	Off	On	Off	On	Off	Off	Off	Off
F60000h	On	Off	Off	On	Off	Off	Off	Off
F70000h	Off	Off	Off	On	Off	Off	Off	Off

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RECOMMENDED OPERATING SYSTEM CONFIGURATIONS					
Operating System	Address Setting	I/O Address	Memory Address	IRQ	Memory Size
BOS/LAN, MBOS/5	Primary	2C0h	0C0000h	IRQ10	64KB & 0 Offset
BOS/LAN, MBOS/5	Primary	2C0h	0C0000h	IRQ11	64KB & 0 Offset
BOS/LAN, MBOS/5	Primary	2C0h	0C0000h	IRQ12	64KB & 0 Offset
BOS/LAN, MBOS/5	Primary	2C0h	0C0000h	IRQ15	64KB & 0 Offset
BOS/LAN, MBOS/5	Alternate	2D0h	0D0000h	IRQ10	64KB & 0 Offset
BOS/LAN, MBOS/5	Alternate	2D0h	0D0000h	IRQ11	64KB & 0 Offset
BOS/LAN, MBOS/5	Alternate	2D0h	0D0000h	IRQ14	64KB & 0 Offset
BOS/LAN, MBOS/5	Alternate	2D0h	0D0000h	IRQ15	64KB & 0 Offset
Concurrent DOS 386	Primary	280h	F00000h	Not used	64KB & 0 Offset
Concurrent DOS 386	Alternate	2C0h	0D0000h	Not used	64KB & 0 Offset
DTM-PC MUMPS	Primary	340h	0D0000h	Not used	64KB & 0 Offset
DTM-PC MUMPS	Alternate	280h	0D0000h	Not used	64KB & 0 Offset
MSM-PC MUMPS	For board 1	100h	0A0000h	IRQ12	64KB & 0 Offset
MSM-PC MUMPS	For board 2	340h	0D0000h	IRQ11	64KB & 0 Offset
MSM-PC 386 MUMPS	For board 1	100h	F00000h	IRQ12	64KB & 0 Offset
MSM-PC 386 MUMPS	For board 2	340h	F10000h	IRQ11	64KB & 0 Offset
MSM-PC 386 MUMPS	For board 3	280h	F20000h	IRQ10	64KB & 0 Offset
MSM-PC 386 MUMPS	For board 4	240h	F30000H	IRQ15	64KB & 0 Offset
THEOS	For board 1	100h	FD0000h	IRQ5	64KB & 0 Offset
THEOS	For board 2	110h	FC0000h	IRQ7	64KB & 0 Offset
THEOS	For board 3	120h	FB0000h	IRQ3	64KB & 0 Offset
THEOS	For board 4	2C0h	FA0000h	IRQ4	64KB & 0 Offset

RECOMMENDED OPERATING SYSTEM CONFIGURATIONS (CONTINUED)					
Operating System	Address Setting	I/O Address	Memory Address	IRQ	Memory Size
UNIX (COM3)	Primary	100h	F00000h	Not used	64KB & 0 Offset
UNIX (COM3)	Alternate	280h	F10000h	Not used	64KB & 0 Offset
UNIX (COM4)	Primary	180h	F20000h	Not used	64KB & 0 Offset
UNIX (COM4)	Alternate	300h	F30000h	Not used	64KB & 0 Offset
UNIX (COM5)	Primary	1A0h	F40000h	Not used	64KB & 0 Offset
UNIX (COM5)	Alternate	2A0h	F50000h	Not used	64KB & 0 Offset
UNIX (COM6)	Primary	1B0h	F60000h	Not used	64KB & 0 Offset

UNIX (COM6)	Alternate	2B0h	F70000h	Not used	64KB & 0 Offset
VM/386	N/A	300h	F00000h	IRQ5	64KB & 0 Offset