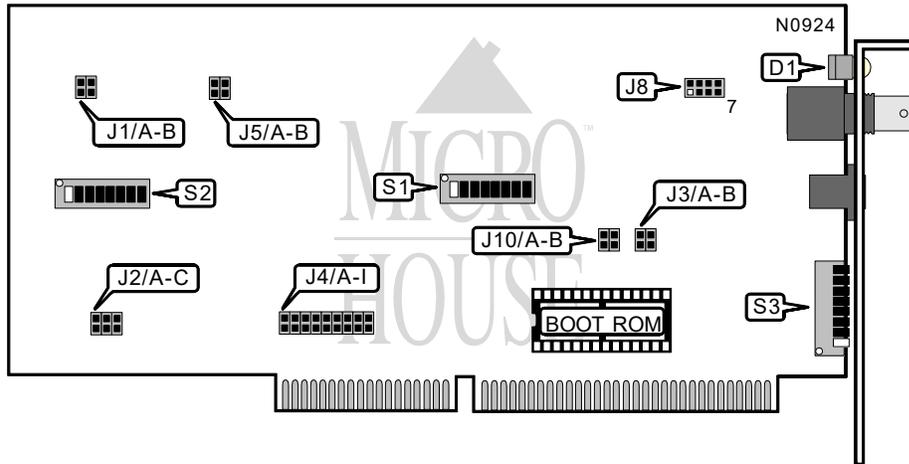


# COMPU-SHACK PRODUCTION, GMBH CS-ARCNET-KARTE SPECIAL DP (REV. B1)

NIC Type: ARCnet  
 Transfer Rate: 2.5Mbps  
 Data Bus: 16-bit ISA  
 Topology: Linear Bus  
 Star  
 Wiring Type: RG62A/U 93ohm coaxial  
 Unshielded twisted pair  
 Boot ROM: Available



DRIVER SELECT		
Setting	J3/jumper A	J3/jumper B
TCC 6-bit driver	Open	Open
TCC 3-bit driver	Closed	Open
CS 3-bit driver	Closed	Closed
CS 6-bit driver	Open	Closed

INTERRUPT SELECT - J4									
IRQ	A	B	D	D	E	F	G	H	I
IRQ3	Closed	Open	Open	Open	Open	Open	Open	Open	Open
IRQ4	Open	Closed	Open	Open	Open	Open	Open	Open	Open
IRQ5	Open	Open	Closed	Open	Open	Open	Open	Open	Open
IRQ7	Open	Open	Open	Closed	Open	Open	Open	Open	Open
IRQ9	Open	Open	Open	Open	Closed	Open	Open	Open	Open

IRQ11	Open	Open	Open	Open	Open	Closed	Open	Open	Open
IRQ12	Open	Open	Open	Open	Open	Open	Closed	Open	Open

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CS-ARCNET-KARTE SPECIAL DP (REV. B1)

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INTERRUPT SELECT - J4									
IRQ	A	B	D	D	E	F	G	H	I
IRQ14	Open	Closed	Open						
IRQ15	Open	Closed							

RESPONSE TIME-OUTS		
Response Time	J5/jumper A	J5/jumper B
74.7µs	Open	Open
283.4µs	Closed	Open
561.8µs	Open	Closed
118.6µs	Closed	Closed

WIRING TYPE SELECT	
Setting	J8
RG62A/U 93ohm coaxial	Pins 3 & 5, 2, 4 & 8 closed
Unshielded twisted pair	Pins 1 & 3, 2 & 4 closed
RG62A/U 93ohm coaxial with star topology	Pins 3 & 5, 2, 4 & 6, 7 & 8 closed
Unshielded twisted pair	Pins 1 & 3, 2 & 4, 7 & 8 closed

MEMORY ADDRESS										
Address	S1/1	S1/2	S1/3	S1/4	S1/5	S1/6	S1/7	S1/8	S2/1	S2/2
0C000h	On	On	On	On	Off	Off	On	On	On	On
0C400h	On	On	On	Off	Off	Off	On	On	On	Off
0C800h	On	On	On	Off	Off	Off	On	On	Off	On
0CC00h	On	On	On	Off	Off	Off	On	On	Off	Off
0D000h	On	On	On	Off	Off	Off	On	Off	On	On
0D400h	On	On	On	Off	Off	Off	On	Off	On	Off
0D800h	On	On	On	Off	Off	Off	On	Off	Off	On
0DC00h	On	On	On	Off	Off	Off	On	Off	Off	Off
1C000h	On	On	On	Off	Off	Off	On	On	On	On
1C400h	On	On	On	Off	Off	Off	On	On	On	Off
1C800h	On	On	On	Off	Off	Off	On	On	Off	On
1CC00h	On	On	On	Off	Off	Off	On	On	Off	Off
1D000h	On	On	On	Off	Off	Off	On	Off	On	On
1D400h	On	On	On	Off	Off	Off	On	Off	On	Off
1D800h	On	On	On	Off	Off	Off	On	Off	Off	On
1DC00h	On	On	On	Off	Off	Off	On	Off	Off	Off
2C000h	On	On	Off	On	Off	Off	On	On	On	On
2C400h	On	On	Off	On	Off	Off	On	On	On	Off
2C800h	On	On	Off	On	Off	Off	On	On	Off	On
2CC00h	On	On	Off	On	Off	Off	On	On	Off	Off

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 CS-ARCNET-KARTE SPECIAL DP (REV. B1)

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MEMORY ADDRESS										
Address	S1/1	S1/2	S1/3	S1/4	S1/5	S1/6	S1/7	S1/8	S2/1	S2/2
2D0000h	On	On	Off	On	Off	Off	On	Off	On	On
2D4000h	On	On	Off	On	Off	Off	On	Off	On	Off
2D8000h	On	On	Off	On	Off	Off	On	Off	Off	On
2DC000h	On	On	Off	On	Off	Off	On	Off	Off	Off
3C0000h	On	On	Off	Off	Off	Off	On	On	On	On
3C4000h	On	On	Off	Off	Off	Off	On	On	On	Off
3C8000h	On	On	Off	Off	Off	Off	On	On	Off	On
3CC000h	On	On	Off	Off	Off	Off	On	On	Off	Off
3D0000h	On	On	Off	Off	Off	Off	On	Off	On	On
3D4000h	On	On	Off	Off	Off	Off	On	Off	On	Off
3D8000h	On	On	Off	Off	Off	Off	On	Off	Off	On
3DC000h	On	On	Off	Off	Off	Off	On	Off	Off	Off
4C0000h	On	Off	On	On	Off	Off	On	On	On	On
4C4000h	On	Off	On	On	Off	Off	On	On	On	Off
4C8000h	On	Off	On	On	Off	Off	On	On	Off	On
4CC000h	On	Off	On	On	Off	Off	On	On	Off	Off
4D0000h	On	Off	On	On	Off	Off	On	Off	On	On
4D4000h	On	Off	On	On	Off	Off	On	Off	On	Off
4D8000h	On	Off	On	On	Off	Off	On	Off	Off	On
4DC000h	On	Off	On	On	Off	Off	On	Off	Off	Off
5C0000h	On	Off	On	Off	Off	Off	On	On	On	On
5C4000h	On	Off	On	Off	Off	Off	On	On	On	Off
5C8000h	On	Off	On	Off	Off	Off	On	On	Off	On
5CC000h	On	Off	On	Off	Off	Off	On	On	Off	Off
5D0000h	On	Off	On	Off	Off	Off	On	Off	On	On
5D4000h	On	Off	On	Off	Off	Off	On	Off	On	Off
5D8000h	On	Off	On	Off	Off	Off	On	Off	Off	On
5DC000h	On	Off	On	Off	Off	Off	On	Off	Off	Off
6C0000h	On	Off	Off	On	Off	Off	On	On	On	On
6C4000h	On	Off	Off	On	Off	Off	On	On	On	Off
6C8000h	On	Off	Off	On	Off	Off	On	On	Off	On
6CC000h	On	Off	Off	On	Off	Off	On	On	Off	Off
6D0000h	On	Off	Off	On	Off	Off	On	Off	On	On
6D4000h	On	Off	Off	On	Off	Off	On	Off	On	Off
6D8000h	On	Off	Off	On	Off	Off	On	Off	Off	On
6DC000h	On	Off	Off	On	Off	Off	On	Off	Off	Off
7C0000h	On	Off	Off	Off	Off	Off	On	On	On	On
7C4000h	On	Off	Off	Off	Off	Off	On	On	On	Off
7C8000h	On	Off	Off	Off	Off	Off	On	On	Off	On

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CS-ARCNET-KARTE SPECIAL DP (REV. B1)

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MEMORY ADDRESS										
Address	S1/1	S1/2	S1/3	S1/4	S1/5	S1/6	S1/7	S1/8	S2/1	S2/2
7CC000h	On	Off	Off	Off	Off	Off	On	On	Off	Off
7D0000h	On	Off	Off	Off	Off	Off	On	Off	On	On
7D4000h	On	Off	Off	Off	Off	Off	On	Off	On	Off
7D8000h	On	Off	Off	Off	Off	Off	On	Off	Off	On
7DC000h	On	Off	Off	Off	Off	Off	On	Off	Off	Off
8C0000h	Off	On	On	On	Off	Off	On	On	On	On
8C4000h	Off	On	On	On	Off	Off	On	On	On	Off
8C8000h	Off	On	On	On	Off	Off	On	On	Off	On
8CC000h	Off	On	On	On	Off	Off	On	On	Off	Off
8D0000h	Off	On	On	On	Off	Off	On	Off	On	On
8D4000h	Off	On	On	On	Off	Off	On	Off	On	Off
8D8000h	Off	On	On	On	Off	Off	On	Off	Off	On
8DC000h	Off	On	On	On	Off	Off	On	Off	Off	Off
9C0000h	Off	On	On	Off	Off	Off	On	On	On	On
9C4000h	Off	On	On	Off	Off	Off	On	On	On	Off
9C8000h	Off	On	On	Off	Off	Off	On	On	Off	On
9C0000h	Off	On	On	Off	Off	Off	On	On	Off	Off
9D0000h	Off	On	On	Off	Off	Off	On	Off	On	On
9D4000h	Off	On	On	Off	Off	Off	On	Off	On	Off
9D8000h	Off	On	On	Off	Off	Off	On	Off	Off	On
9DC000h	Off	On	On	Off	Off	Off	On	Off	Off	Off
AC0000h	Off	On	Off	On	Off	Off	On	On	On	On
AC4000h	Off	On	Off	On	Off	Off	On	On	On	Off
AC8000h	Off	On	Off	On	Off	Off	On	On	Off	On
ACC000h	Off	On	Off	On	Off	Off	On	On	Off	Off
AD0000h	Off	On	Off	On	Off	Off	On	Off	On	On
AD4000h	Off	On	Off	On	Off	Off	On	Off	On	Off
AD8000h	Off	On	Off	On	Off	Off	On	Off	Off	On
ADC000h	Off	On	Off	On	Off	Off	On	Off	Off	Off
BC0000h	Off	On	Off	Off	Off	Off	On	On	On	On
BC4000h	Off	On	Off	Off	Off	Off	On	On	On	Off
BC8000h	Off	On	Off	Off	Off	Off	On	On	Off	On
BCC000h	Off	On	Off	Off	Off	Off	On	On	Off	Off
BD0000h	Off	On	Off	Off	Off	Off	On	Off	On	On
BD4000h	Off	On	Off	Off	Off	Off	On	Off	On	Off
BD8000h	Off	On	Off	Off	Off	Off	On	Off	Off	On
BDC000h	Off	On	Off	Off	Off	Off	On	Off	Off	Off
CC0000h	Off	Off	On	On	Off	Off	On	On	On	On
CC4000h	Off	Off	On	On	Off	Off	On	On	On	Off

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CS-ARCNET-KARTE SPECIAL DP (REV. B1)

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MEMORY ADDRESS										
Address	S1/1	S1/2	S1/3	S1/4	S1/5	S1/6	S1/7	S1/8	S2/1	S2/2
CC8000h	Off	Off	On	On	Off	Off	On	On	Off	On
CCC000h	Off	Off	On	On	Off	Off	On	On	Off	Off
CD0000h	Off	Off	On	On	Off	Off	On	Off	On	On
CD4000h	Off	Off	On	On	Off	Off	On	Off	On	Off
CD8000h	Off	Off	On	On	Off	Off	On	Off	Off	On
CDC000h	Off	Off	On	On	Off	Off	On	Off	Off	Off
DC0000h	Off	Off	On	Off	Off	Off	On	On	On	On
DC4000h	Off	Off	On	Off	Off	Off	On	On	On	Off
DC8000h	Off	Off	On	Off	Off	Off	On	On	Off	On
DCC000h	Off	Off	On	Off	Off	Off	On	On	Off	Off
DD0000h	Off	Off	On	Off	Off	Off	On	Off	On	On
DD4000h	Off	Off	On	Off	Off	Off	On	Off	On	Off
DD8000h	Off	Off	On	Off	Off	Off	On	Off	Off	On
DDC000h	Off	Off	On	Off	Off	Off	On	Off	Off	Off
EC0000h	Off	Off	Off	On	Off	Off	On	On	On	On
EC4000h	Off	Off	Off	On	Off	Off	On	On	On	Off
EC8000h	Off	Off	Off	On	Off	Off	On	On	Off	On
ECC000h	Off	Off	Off	On	Off	Off	On	On	Off	Off
ED0000h	Off	Off	Off	On	Off	Off	On	Off	On	On
ED4000h	Off	Off	Off	On	Off	Off	On	Off	On	Off
ED8000h	Off	Off	Off	On	Off	Off	On	Off	Off	On
EDC000h	Off	Off	Off	On	Off	Off	On	Off	Off	Off
FC0000h	Off	Off	Off	Off	Off	Off	On	On	On	On
FC4000h	Off	Off	Off	Off	Off	Off	On	On	On	Off
FC8000h	Off	Off	Off	Off	Off	Off	On	On	Off	On
FCC000h	Off	Off	Off	Off	Off	Off	On	On	Off	Off
FD0000h	Off	Off	Off	Off	Off	Off	On	Off	On	On
FD4000h	Off	Off	Off	Off	Off	Off	On	Off	On	Off
FD8000h	Off	Off	Off	Off	Off	Off	On	Off	Off	On
FDC000h	Off	Off	Off	Off	Off	Off	On	Off	Off	Off

I/O ADDRESS					
Address	S2/3	S2/4	S2/5	S2/6	S2/7
i 2E0h	On	Off	Off	Off	On
200h	On	On	On	On	On
210h	On	On	On	On	Off
220h	On	On	On	Off	On
230h	On	On	On	Off	Off

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COMPU-SHACK PRODUCTION, GMBH  
 CS-ARCNET-KARTE SPECIAL DP (REV. B1)

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I/O ADDRESS					
Address	S2/3	S2/4	S2/5	S2/6	S2/7
240h	On	On	Off	On	On
250h	On	On	Off	On	Off
260h	On	On	Off	Off	On
270h	On	On	Off	Off	Off
280h	On	Off	On	On	On
290h	On	Off	On	On	Off
2A0h	On	Off	On	Off	On
2B0h	On	Off	On	Off	Off
2C0h	On	Off	Off	On	On
2D0h	On	Off	Off	On	Off
2F0h	On	Off	Off	Off	Off
300h	Off	On	On	On	On
310h	Off	On	On	On	Off
320h	Off	On	On	Off	On
330h	Off	On	On	Off	Off
340h	Off	On	Off	On	On
350h	Off	On	Off	On	Off
360h	Off	On	Off	Off	On
370h	Off	On	Off	Off	Off
380h	Off	Off	On	On	On
390h	Off	Off	On	On	Off
3A0h	Off	Off	On	Off	On
3B0h	Off	Off	On	Off	Off
3C0h	Off	Off	Off	On	On
3D0h	Off	Off	Off	On	Off
3E0h	Off	Off	Off	Off	On
3F0h	Off	Off	Off	Off	Off

BOOT ROM	
Setting	S2/8
Disabled	Off
Enabled	On

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 CS-ARCNET-KARTE SPECIAL DP (REV. B1)

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NODE ID NUMBER								
ID #	S3/1	S3/2	S3/3	S3/4	S3/5	S3/6	S3/7	S3/8
1	On	Off						
255	On							

Note: Nodes can be numbered from 1 to 255. The switches are a binary representation of the node numbers. When a switch is on, the corresponding bit is set to 1 and has the following decimal value: S3/1=1, S3/2=2, S3/3=4, S3/4=8, S3/5=16, S3/6=32, S3/7=64, S3/8=128.

FACTORY CONFIGURED SETTINGS	
Jumper	Setting
J1/jumper A	N/A
J1/jumper B	N/A
J2/jumper A	N/A
J2/jumper B	N/A
J2/jumper C	N/A
J10/jumper A	N/A
J10/jumper B	N/A

DIAGNOSTIC LED		
LED	Status	Condition
D1	On	Network connection is good
D1	Blinking	Network connection is broken or no activity is detected
D1	Blinking fast	Card is reconfiguring to the network