

The RTS MCII-e Systems Controller card is the third generation controller for the ADAM Intercom System. Designed to replace the ADAMMC, it adds a number of key features. Adding Ethernet connectivity between the ADAM Intercom and the PC running AZedit, the new controller can support 32 simultaneous AZedit sessions. Using a pair of MCII-e controllers, provides full redundancy with seamless automatic change-over upon failure. The speed of Ethernet, combined with expanded memory, allows the card to fully support large matrices with reduced set-up file download time. As with all ADAM™ Intercom family products, the MCII-e card supports all standard, hot swappable and configurable features through AZedit configuration software. It is fully compatible with all* existing ADAM systems; and cards, including the AIO-8, AIO-16, AES-3, and RVON VOIP interfaces.

*The new MCII-e System Controller card is only for use in the ADAM Matrix Intercom System and cannot be inter-mixed with older MC-ADAM in a given frame.

System Specifications and Features

4 Mbytes Code Flash
32MB SDRAM
8 Mbytes Configuration Flash
Connections
SCSI connector via backcard
RJ-45 Ethernet via backcard
Power : 7.5W/1.5A @ 5V
Physical: 5.687" W x 11.024" L

INSTALLATION:

The MCII-e System Controller card is hot-swappable and installs into slots 19 & 20 in an ADAM™ Intercom System.

TRUNK CAPABLE:

The MCII-e System Controller card supports ancillary data control for use with Telex® Intelligent Trunking.

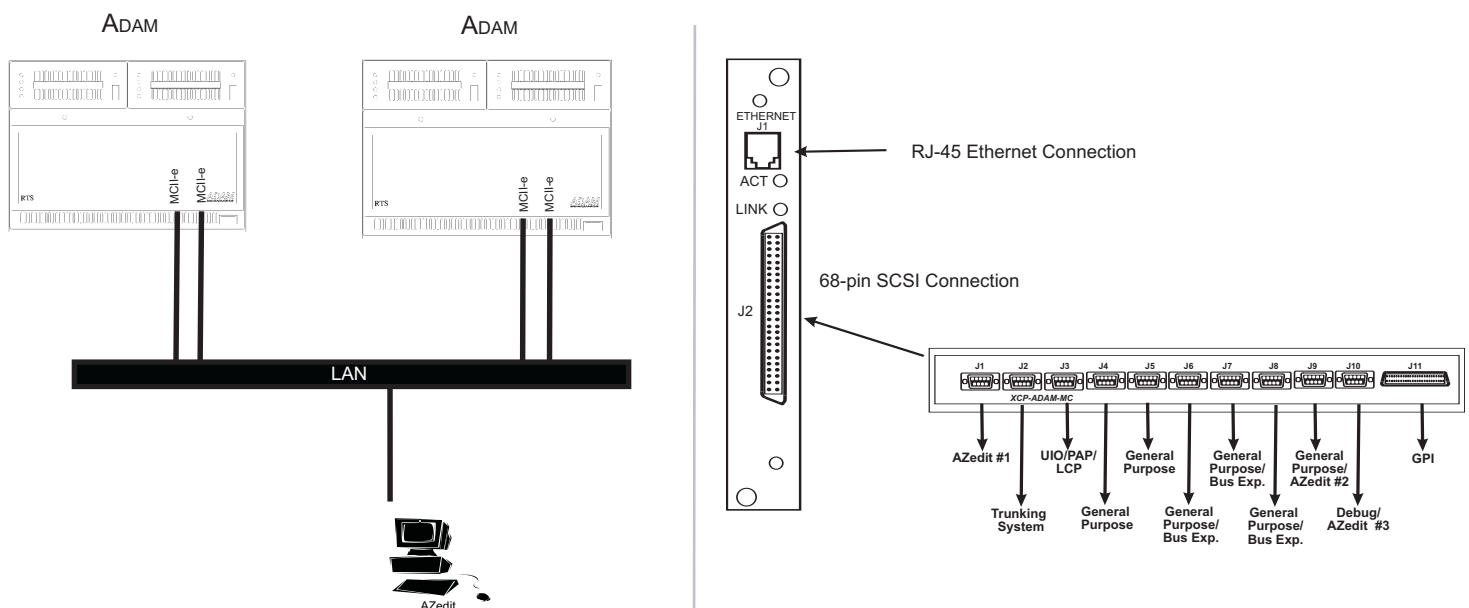
ETHERNET COMPATIBLE:

Fully Ethernet capable. the MCII-e uses standard Ethernet protocols and is compatible with 10 BASE-T or 100 BASE-TX Ethernet compliant devices and networks. Each System Controller has its own IP address to access the Ethernet.

AZ EDIT CONFIGURATIONS:

The MCII-e can connect to AZedit via Ethernet or serial (RS- 232) connections. Also, using the new Intercom Sizing Wizard in AZedit, configuring the new system controller card is as easier than ever. Controls: Reset pushbutton switch, general status indicators, a LED module for advanced monitoring features and for gathering additional card information.

System Diagram



Connector Pin-Outs

RJ-45 Ethernet Connector (via backcard)			
RJ-45 PIN	SIGNAL	DIRECTION	RJ-45 PIN
1	TX +		1
2	TX -		2
3	RX +	-	3
4			4
5			5
6	RX -	-	6
7			7
8			8

68-Pin SCSI Connector (via backcard)			
AZEDIT #1			
68-PIN SCSI MASTER CONTROLLER	J-1 OF XCP-ADAM-MC	ASSIGNMENT 2W	ASSIGNMENT 4W
1	1	RS435 TX/RX -	RS422 RX -
3	2	RS232C RX	
37	3	RX232C TX	
4	4	RS422 TX -	RS422 TX -
2	5	GROUND	
2	6	GROUND	
38	7	RS422 TX +	RS422 TX +
35	8	RS435 TX/RX +	RS422 RX +
	9	NOT USED	
TRUNKING SYSTEM			
68-PIN SCSI MASTER CONTROLLER	J-2 OF XCP-ADAM-MC	ASSIGNMENT 2W	ASSIGNMENT 4W
5	1	RS435 TX/RX -	RS422 RX -
36	2	GROUND	
6	3	RS232C RX	
	4	NOT USED	
41	5	RS422 TX +	RS422 TX +
39	6	RS435 TX/RX +	RS422 RX +
36	7	GROUND	
40	8	RS232C TX	
7	9	RS422 TX -	RS422 TX -
UIO-256/PAP/LCP			
68-PIN SCSI MASTER CONTROLLER	J-3 OF XCP-ADAM-MC	ASSIGNMENT 2W	ASSIGNMENT 4W
8	1	RS435 TX/RX -	RS422 RX -
9	2	GROUND	
	3	NOT USED	
	4	NOT USED	
44	5	RS422 TX +	RS422 TX +
42	6	RS435 TX/RX +	RS422 RX +
9	7	GROUND	
	8	NOT USED	
10	9	RS422 TX -	RS422 TX -
GENERAL PURPOSE			
68-PIN SCSI MASTER CONTROLLER	J-4 OF XCP-ADAM-MC	ASSIGNMENT 2W	ASSIGNMENT 4W
11	1	RS435 TX/RX -	RS422 RX -
43	2	GROUND	
	3	NOT USED	
	4	NOT USED	
46	5	RS422 TX +	RS422 RX +
45	6	RS432 TX/RX +	RS422 RX +
43	7	GROUND	
	8	NOT USED	
12	9	RS422N TX -	RS422 TX -

GENERAL PURPOSE		
68-PIN SCSI MASTER CONTROLLER	J-5 OF XCP-ADAM-MC	ASSIGNMENT 2W
13	1	RS485 TX/RX -
14	2	GROUND
	3	NOT USED
	4	NOT USED
	5	NOT USED
47	6	RS485 TX/RX +
14	7	GROUND
	8	NOT USED
	9	NOT USED
GENERAL PURPOSE/BUS EXP		
68-PIN SCSI MASTER CONTROLLER	J-6 OF XCP-ADAM-MC	ASSIGNMENT 2W
15	1	RS485TX/RX-
48	2	GROUND
	3	NOT USED
	4	NOT USED
	5	NOT USED
49	6	RS485 TX/RX +
48	7	GROUND
	8	NOT USED
	9	NOT USED
GENERAL PURPOSE/BUS EXP		
68-PIN SCSI MASTER CONTROLLER	J-7 OF XCP-ADAM-MC	ASSIGNMENT 2W
16	1	RS485 TX/RX -
17	2	GROUND
	3	NOT USED
	4	NOT USED
	5	NOT USED
50	6	RS485 TX/RX +
17	7	GROUND
	8	NOT USED
	9	NOT USED
GENERAL PURPOSE/BUS EXP		
68-PIN SCSI MASTER CONTROLLER	J-8 OF XCP-ADAM-MC	ASSIGNMENT 2W
18	1	RS485 TX/RX -
51	2	GROUND
	3	NOT USED
	4	NOT USED
	5	NOT USED
52	6	RS485 TX/RX +
51	7	GROUND
	8	NOT USED
	9	NOT USED
GENERAL PURPOSE/AZEDIT #2		
68-PIN SCSI MASTER CONTROLLER	J-9 OF XCP-ADAM-MC	ASSIGNMENT 2W
	1	NOT USED
19	2	GROUND
20	3	RS232C RX
	4	NOT USED
	5	NOT USED
	6	NOT USED
19	7	GROUND
53	8	RS232C TX
	9	NOT USED
DEBUG/AZEDIT #3		
68-PIN SCSI MASTER CONTROLLER	J-10 OF XCP-ADAM-MC	ASSIGNMENT 2W
	1	NOT USED
67	2	GROUND
21	3	RS232C RX
	4	NOT USED
	5	NOT USED
	6	NOT USED
67	7	GROUND
54	8	RS232C TX
	9	NOT USED

GPI			
68-PIN SCSI MASTER CONTROLLER	J11 OF XCP-ADAM-MC	ASSIGNMENT	SIGNAL
22	1	MI(0)	LOGICAL INPUT 0
23	2	MI(1)	LOGICAL INPUT 1
24	3	MI(2)	LOGICAL INPUT 2
25	4	MI(3)	LOGICAL INPUT 3
26	5	MI(4)	LOGICAL INPUT 4
27	6	MI(5)	LOGICAL INPUT 5
28	7	MI(6)	LOGICAL INPUT 6
29	8	MI(7)	LOGICAL INPUT 7
30	9	GROUND	GROUND
31	10	GROUND	GROUND
32	11	GROUND	GROUND
33	12	GROUND	GROUND
34	13	GROUND	GROUND
55	14	MO(0)	LOGICAL OUTPUT 0
56	15	MO(1)	LOGICAL OUTPUT 1
57	16	MO(2)	LOGICAL OUTPUT 2
58	17	MO(3)	LOGICAL OUTPUT 3
59	18	MO(4)	LOGICAL OUTPUT 4
60	19	MO(5)	LOGICAL OUTPUT 5
61	20	MO(6)	LOGICAL OUTPUT 6
62	21	MO(7)	LOGICAL OUTPUT 7
63	22	GROUND	GROUND
64	23	GROUND	GROUND
65	24	GROUND	GROUND
66	25	GROUND	GROUND

Contact Information

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