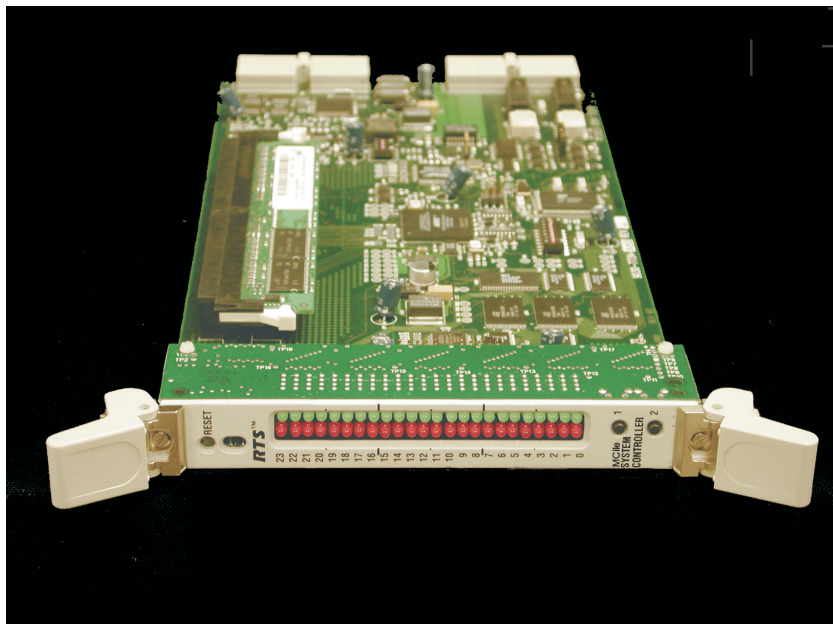


TECHNICAL DATA SHEET



DESCRIPTION

The RTS MCII-e Systems Controller card is the third generation controller for the ADAM Intercom System. Designed to replace the ADAM-MC, 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..*

FEATURES

- 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.

MCII-e System Controller Card

SPECIFICATIONS

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

ORDER INFORMATION

Model No.	Description	Catalog No.
MCII-e System Controller Card Kit	RTS Ethernet Master Controller Card Kit - includes front card, backcard, and Ethernet cable	9002-7734-000
MCII-e System Controller Card	RTS Ethernet Master Controller Card	9002-7734-001
MC Backcard	Master Controller Backcard with Ethernet connection	9002-7734-002
MC-XCP	DB-9 and DB-25 breakout panel allowing for multiple peripherals to be connected to the master controller	9000-7556-000

PLEASE CONTACT US

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Fax: (800) 323-0498



CONNECTOR PIN-OUTS

MC II e System Controller Card

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)

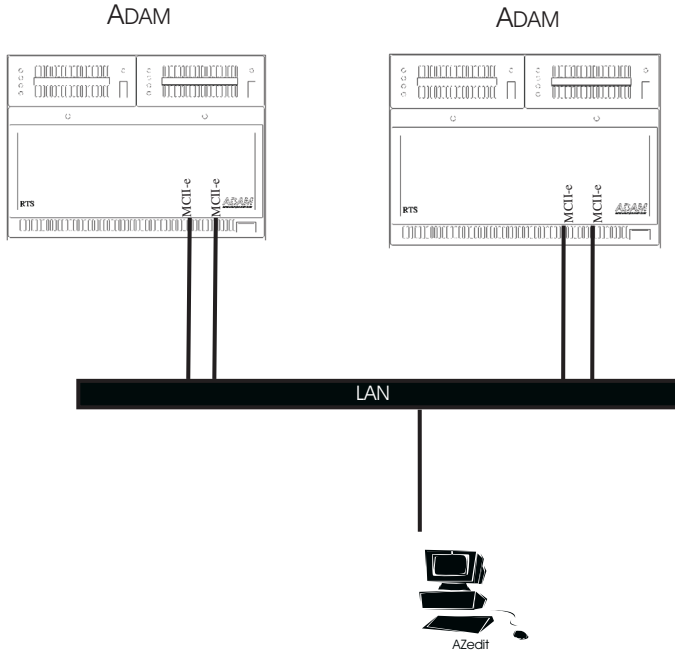
AZEDIT #1			
68-PIN SCSI MASTER CONTROLLER	J-1 OF XCP-ADAM-MC	ASSIGNMENT 2W	ASSIGNMENT 4W
1	1	RS485 TX/RX -	RS422 RX -
3	2	RS232C RX	
37	3	RX232C TX	
4	4	RS422 TX -	RS422 TX -
2	5	GROUND	
2	6	GROUND	
38	7	RS422 TX +	RS422 TX +
35	8	RS485 TX/RX +	RS422 RX +
	9	NOT USED	
TRUNKING SYSTEM			
68-PIN SCSI MASTER CONTROLLER	J-2 OF XCP-ADAM-MC	ASSIGNMENT 2W	ASSIGNMENT 4W
5	1	RS485 TX/RX -	RS422 RX -
36	2	GROUND	
6	3	RS232C RX	
	4	NOT USED	
41	5	RS422 TX +	RS422 TX +
39	6	RS485 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	RS485 TX/RX -	RS422 RX -
9	2	GROUND	
	3	NOT USED	
	4	NOT USED	
44	5	RS422 TX +	RS422 TX +
42	6	RS485 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	RS485 TX/RX -	RS422 RX -
43	2	GROUND	
	3	NOT USED	
	4	NOT USED	
46	5	RS422 TX +	RS422 RX +
45	6	RS482 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

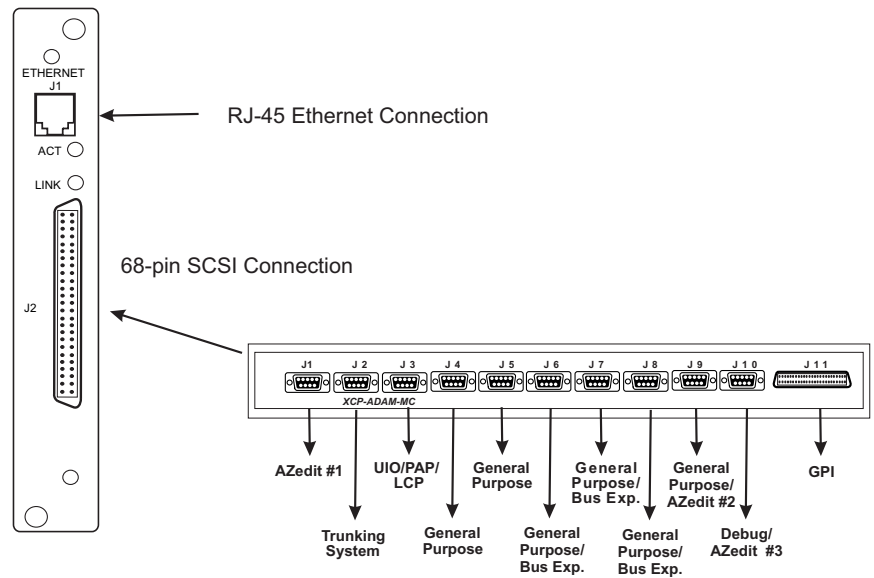
GPI			
68-PIN SCSI MASTER CONTROLLER	J11 OF XCP-ADAM-MC	ASSIGNMENT	SIGNAL
22		MI(0)	LOGICAL INPUT 0
23		MI(1)	LOGICAL INPUT 1
24		MI(2)	LOGICAL INPUT 2
25		MI(3)	LOGICAL INPUT 3
26		MI(4)	LOGICAL INPUT 4
27		MI(5)	LOGICAL INPUT 5
28		MI(6)	LOGICAL INPUT 6
29		MI(7)	LOGICAL INPUT 7
30		GROUND	GROUND
31		GROUND	GROUND
32		GROUND	GROUND
33		GROUND	GROUND
34		GROUND	GROUND
55		MO(0)	LOGICAL OUTPUT 0
56		MO(1)	LOGICAL OUTPUT 1
57		MO(2)	LOGICAL OUTPUT 2
58		MO(3)	LOGICAL OUTPUT 3
59		MO(4)	LOGICAL OUTPUT 4
60		MO(5)	LOGICAL OUTPUT 5
61		MO(6)	LOGICAL OUTPUT 6
62		MO(7)	LOGICAL OUTPUT 7
63		GROUND	GROUND
64		GROUND	GROUND
65		GROUND	GROUND
66		GROUND	GROUND

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

SYSTEM DIAGRAM



Simple MCII-e System Controller card system diagram.



Connection Diagram. The 68-pin SCSI can be attached to the XCP-ADAM-MC.

WARRANTY

Products are warranted by Telex Communications, Inc. to be free from defects in materials and workmanship for a period of three years from the date of sale.

The sole obligation of Telex during the warranty period is to provide, without charge, parts and labor necessary to remedy covered defects appearing in products returned prepaid to Telex. This warranty does not cover any defect, malfunction or failure caused beyond the control of Telex, including unreasonable or negligent operation, abuse, accident, failure to follow instructions in the manual, defective or improper associated equipment, attempts at modification and repair not authorized by Telex, and shipping damage.

To obtain warranty service, follow the procedures entitled "Procedure for Returns" and "Shipping to Manufacturer for Repair or Adjustment".

This warranty is the sole and exclusive express warranty given with respect to RTS products. It is the responsibility of the user to determine before purchase that this product is suitable for the user's intended purpose.

ANY AND ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY ARE LIMITED TO THE DURATION OF THIS EXPRESS LIMITED WARRANTY.

NEITHER TELEX NOR THE DEALER WHO SELLS TELEX PRODUCTS IS LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND.



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