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Find the *RadiSys EXP-MX* at our website: *Click HERE*

EXP-FDM Floppy Drive Module Specification Sheet

The EXP-FDM is a single-slot VME floppy disk module. The 3.5” drive is intended for use in a single VMEbus card slot. Be sure to tighten the EXP card in the chassis with a screwdriver to lessen shock hazard, but DO NOT OVERTIGHTEN.

The 3.5" EXP-FDM is driven by connecting a data cable to the unit by way of a 34 pin header on the product's front panel. The intent is to get data from an adjacent EXM-MX unit. Power for the unit comes through this same 34 pin header. The disk drive itself is cabled to the main board through a 26 pin flex circuit cable. The main board contains no P1 or P2 connector and is shorter than standard VME board products. This is to ensure use in a VME card slot that contains a RadiSys subplane, ie. BP-6 product, which would cause mechanical interference.

The EXP-FDM is intended to be drive "A" in the system and is not selectable as "B". A drive "B" may not be added through a daisy chain cable.

Power

Voltage	Max. Ripple	Current
+5VDC ± 10%	100mVp-p	5 mA max. (Standby) 270 mA typ. (Read/Write) 520 mA typ. @ 3ms (Seek Operation) 600 mA typ. @ 6ms (Seek Operation) 740 mA max. (Motor Start)

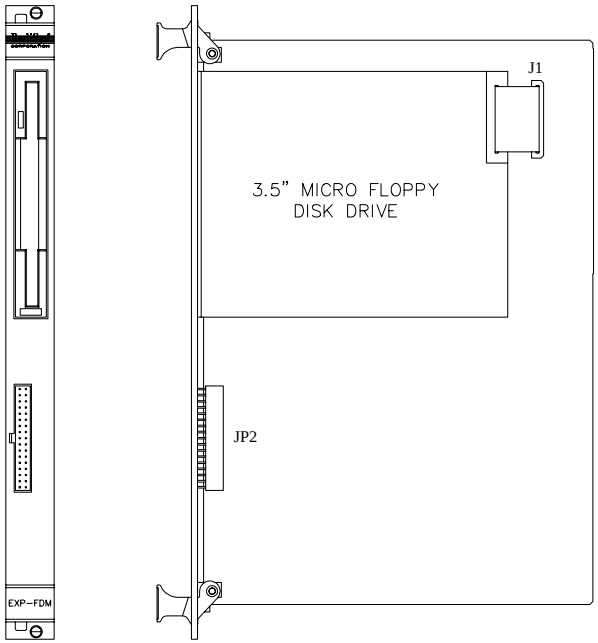
Accessories

A standard 34-pin floppy disk data cable will be provided with each unit. The cable length is 3.5". This cable allows the user to cable to an EXM-MX unit that is installed in slot 0 (zero) of a RadiSys VME product in the VME slot directly adjacent to the installed EXP-FDM. Such VME products include EPC4, EPC5, EPC8, or EXP-MC.

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Characteristic		Value
Environmental		
Temperature	operating	5° to 50° C (* see below)
	storage	-22° to 60° C
Humidity	operating	20 - 80% (non-condensing)
	storage	5 - 90% (non-condensing)
Vibration	operating	1.5g (max) 10-100Hz 1.0g (max) 100-200Hz 0.5g (max) 200-600Hz
	storage	2.0g (max) 10-500 Hz
Shock	operating	5g 11 msec duration
	storage	50g 11 msec duration



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Floppy Connector (JP2) (34-pin RA header - front panel)			
1	GND	2	MEDIA ID
3	n/c	4	n/c
5	n/c	6	n/c
7	+5V	8	INDEX
9	+5V	10	n/c
11	+5V	12	DRIVE SELECT 0
13	GND	14	n/c
15	GND	16	MOTOR ON
17	GND	18	DIRECTION
19	GND	20	STEP
21	GND	22	WRITE DATA
23	GND	24	WRITE GATE
25	GND	26	TRACK 00
27	GND	28	WRITE PROTECT
29	GND	30	READ DATA
31	GND	32	SIDE 1 SELECT
33	GND	34	DISK CHANGE

Warranty

RadiSys Corporation ("RadiSys") warrants the chassis to the original purchaser for two years from the product's shipping date. If a chassis fails to operate in compliance with its specification during this period, RadiSys will, at its option, repair or replace the product at no charge. The customer is, however, responsible for shipping the product; RadiSys assumes no responsibility for the product until it is received. This warranty does not cover repair of products that have been damaged by abuse, accident, disaster, misuse, or incorrect installation.

RadiSys' limited warranty covers products only as delivered. User modification may void the warranty, and if the product is damaged during installation of the modifications, this warranty does not cover repair or replacement. This warranty in no way warrants suitability of the product for any specific application.

IN NO EVENT WILL RADISYS BE LIABLE FOR ANY DAMAGES, INCLUDING LOST PROFITS, LOST SAVINGS, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT EVEN IF RADISYS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, OR FOR ANY CLAIM BY ANY PARTY OTHER THAN THE PURCHASER.

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THE ABOVE WARRANTY IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED OR STATUTORY, INCLUDING THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE, TITLE AND NONINFRINGEMENT. Repair or replacement as provided above shall be the Purchaser's sole and exclusive remedy and RadiSys' exclusive liability for any breach of warranty.

Repair Services

Factory repair service is provided for all RadiSys products. Standard service for all RadiSys products covers factory repair and shipment back to customer's site, with customers paying shipping to the factory and RadiSys paying for return shipment. Normal turn-around time for repair and recertification is five working days.

Arranging Service

To schedule service for a product, contact RadiSys Technical Support at (503) 646-1800. Have the product model and serial numbers available, along with a description of the problem. A Technical Support representative will issue a Returned Materials Authorization (RMA) number, a code number by which we track the product while it is being processed. Once you have received the RMA number, follow the instructions of the Technical Support representative and return the product to RadiSys, freight prepaid, with the RMA number clearly marked on the exterior of the package. If possible re-use the original shipping containers and packaging. In any case, be sure you follow good ESD-control practices when handling the product, and ensure that anti-static bags and packing materials with adequate padding and shock-absorbing properties are used. Ship the product, freight prepaid, to the following address:

Product Service Center
RadiSys Corporation
15025 SW Koll Parkway
Beaverton, Oregon 97006

When shipping the product, include the return address, contact names and phone numbers in purchasing and engineering, and a description of the suspected problem. Any information that might be helpful with the debugging process is appreciated.

Outside North America

Contact the sales organization from which you purchased your RadiSys product for service and support.

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