

Removable Solid-State Memory Cartridge Unit



Features

- Removable solid-state data recorder cartridge
- Ruggedized for airborne applications
- Uses ruggedized solid-state memory from 16 GB to 128 GB (or higher) for airborne applications
- Uses three IEEE-1394b 400 Mbps high-speed signaling ports
 - One recording port for use by the AIM-200XR chassis
 - One port for in-chassis download using a DB-9 connector
 - One port for lab downloads directly from the cartridge using IEEE-1394b bilingual connector
- Unit functional status indicated by 4 LEDs
 - Power – Applied power is adequate
 - Lock – The lock screw is tightened
 - Activity – The unit is being accessed
 - Error – There is an error condition

Description

RMM-3XXXI (XXX = size in GB) Standard Cartridge Units are removable solid-state drive data cartridges for the TTC AIM-200XR product line. An RMM-3XXXI cartridge is inserted into a recorder slot on the AIM-200XR chassis.

Communications

Each RMM-3XXXI has three (3) IEEE-1394b high-speed serial ports that support rates of up to 400 Mbps as follows:

1. A DB-9 high-reliability IEEE-1394b port is located on the top of the cartridge. This port can be used for data download while the cartridge is plugged into and powered by the AIM-200XR chassis.
2. Another IEEE-1394b-compatible interface is accessed through a custom connector and is used to download data when the cartridge is installed in the AIM-200XR chassis.
3. An IEEE-1394b interface located on the bottom of the cartridge. This connector uses a standard bilingual connector and is only accessible when the cartridge is removed from the chassis. This port is used for data download when the cartridge is removed from the AIM-200XR chassis and moved to another location. TTC includes an external 9-volt “brick” power adaptor for powering the cartridge in this mode.

Interface Ports

IEEE-1394b Three (3) IEEE-1394b compatible 400 Mbps ports. Each can operate in the IEEE-1394a/b S100, S200, S400 or S400b modes.

Power One (1) 9-Volt, 2.1mm coaxial power input connector for powering the cartridge when removed from the AIM-200XR chassis.

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RMM-3XXX Datasheet

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