![DRT Logo - Digital Receiver Technology, Inc.]

Approved for Public Release

RIM1C
Recorder Interface Module

DESCRIPTION

The Recorder Interface Module C (RIM1C) simultaneously records up to 384 audio channels (half-duplex) to an external Network Attached Storage (NAS) device. The RIM1C can also record protocol-specific non-audio data, with capacities differing by protocol. The RIM1C may be placed in any slot in which a WPM3 may be placed in a DRT1183C or DRT12xxC system.

Features

- Ethernet Interface provides a 10/100/1000 auto-negotiated interface to the RIM1 via a standard RJ-45 connection. The Ethernet Interface provides access to the external NAS device.

- Storage to the external NAS device uses NFS version 3.

- Onboard temperature measurement and built-in test capability.

- Records up to 384 audio channels simultaneously.

Specifications

Capacity

- 384 half-duplex audio channels (192 full-duplex) simultaneously stored to Network Attached Storage device.

- Approximately 35 channel hours of storage per Gigabyte of disk space.

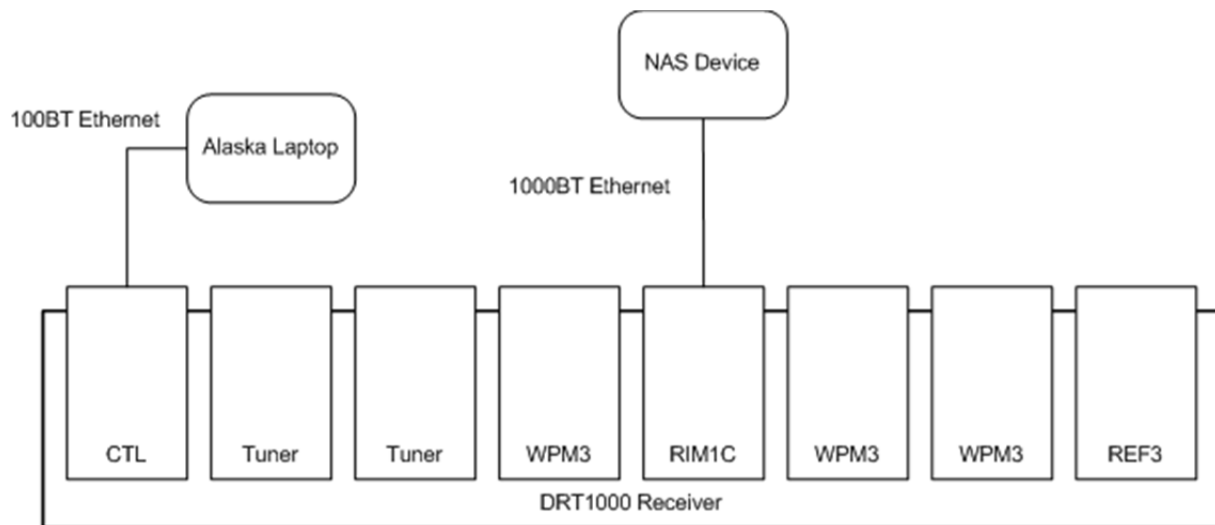- 4 MB per second output to Network Attached Storage.

Interfaces

- PMC 32-Bit, 33 MHz PCI Bus (to backplane)

- DRT TDM ScBus Interface (to backplane)

- 10/100/1000 Ethernet Interface on the front panel

Physical/Environmental

- **Operating Temperature Range:** 0° to $+50^o$C ($+32^o$ to $+122°$F) inlet air temperature of any DRT system in which the module is installed

- **Size:**   Single-slot 3U CompactPCI 3.9 in. x 6.2 in. (100 mm x 160 mm)

- **Power Consumption:** ~10 watts (typical)

Typical Installation in DRT1000 System