RF over IP
Analog RF to Digital IP Conversion

Overview

Evertz' RF over IP (RFoIP) series present a high density and modular solution for converting RF signals from analog to digital and vice versa. This new technological advancement immensely expands the possibilities in the centralization and virtualization of the ground segment; resulting in improved operational efficiencies and flexibility.

Eliminating physical barrier between the satellite antenna and the reception equipment is a key benefit when converting RF to IP and Evertz has taken great care to achieve this while preserving Carrier-to-Noise Ratio (CNR) and timing, in order to reliably recover the signal.

Leveraging Evertz' RF over IP technology provides operators with increased antenna placement flexibility, offering reduced antenna cost while minimizing physical real-estate of the ground infrastructure.

VITA Open Standards, Open Markets

DIFI

Applications

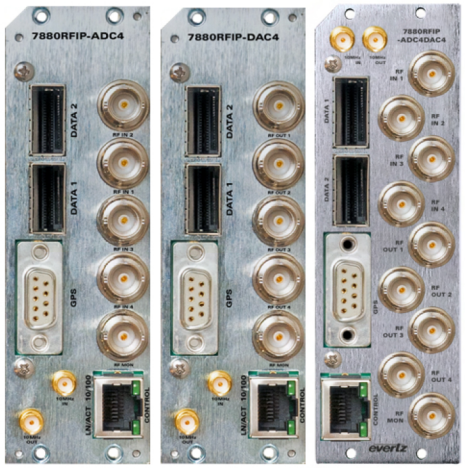
- Ground System Centralization
- Digital IP SATCOM Headends
- RF over IP as a Service
- Long Haul Transport
- Disaster Recovery
- SATCOM Virtualization
- IF SATCOM Terminals
- Site Diversity

Reliable
Evertz' RF over IP technology has been designed with reliability, security and signal quality as top priorities. Dual QSFP ports are supported by default for 1+1 redundant IP work flows.

Agile
An IP work flow provides increased agility where organizations can add or remove services quickly to maximize revenue and lower operational costs.

Scalable
A move to IP allows organizations to scale their system to any size, across all geographical regions.

Proven
As the leader in IP solutions with hundreds of IP installs across the world, Evertz' IP solutions are trusted by the largest media companies in the world.



MAGNUM-OS

Features

- Wide-band Frequency Range of 950-2250MHz
- User-Selectable Bandwidth up to 600MHz
- DIFI 1.1/VITA 49.2 Standard Support
- Dual 10/100GBE QSFP28 Trunks
- 10MHz & GPS Input for Timing
- 13/18V LNB Powering +22kHz Tone