

# 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.



### 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

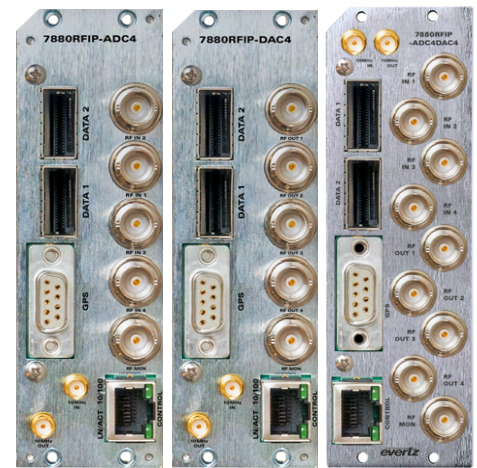
An IP work flow provides increased agility where organizations can add or remove services quickly to maximize revenue and lower operational costs.

#### 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.



### Features

- ✔ Wide-band Frequency Range of 950-2250MHz
- ✔ User-Selectable Bandwidth up to 600MHz
- ✔ DIFI/VITA 49.2 Standard Support
- ✔ Dual 1/10/25/40/100GBE QSFP Trunks
- ✔ 10MHz & GPS Input for Timing
- ✔ 13/18V LNB Powering +22kHz Tone