

RF



PRODUCT SOLUTIONS

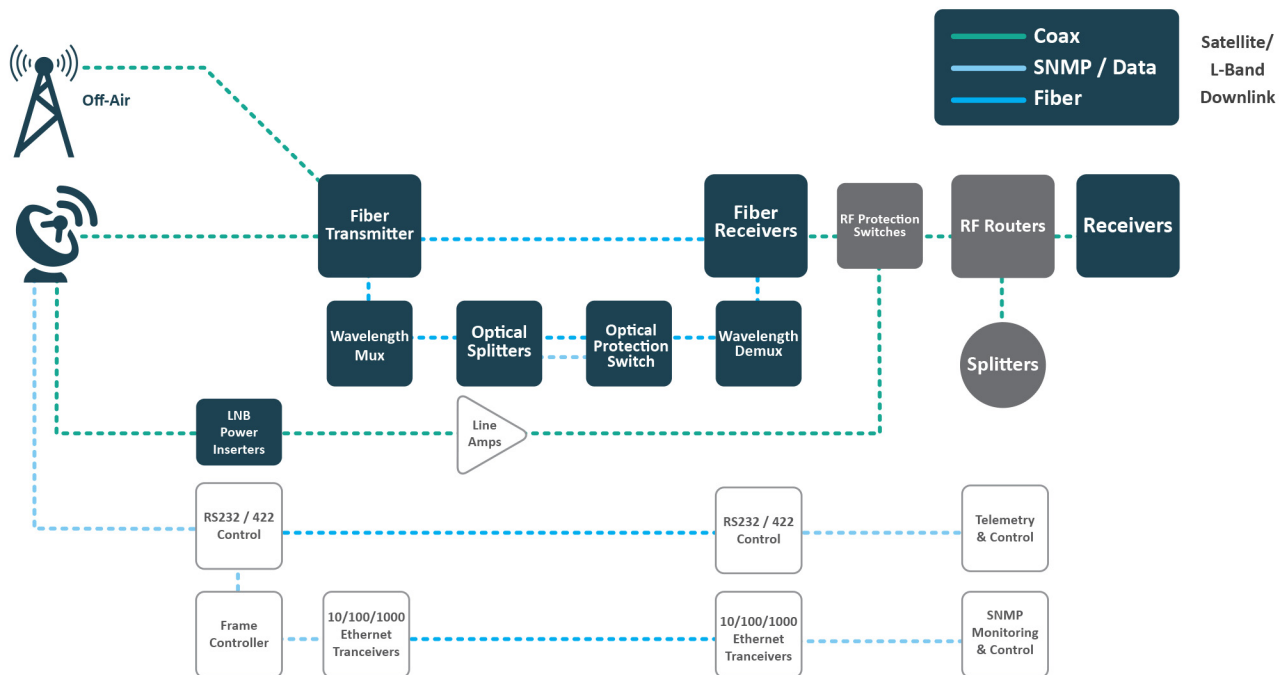
DOWNLINK / TRANSPORT / DISTRIBUTE
/ ROUTE / RECEIVE / MODULATE
/ UPLINK / MANAGEMENT



evertz

Complete RF Solution

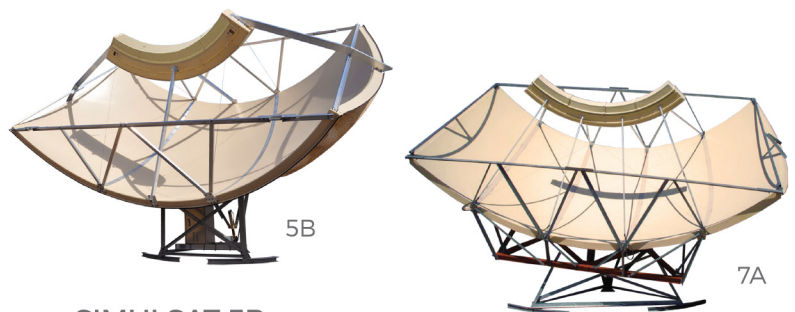
From LNB to IRD, Evertz offers a range of products for RF signal reception, distribution, routing, fiber transport, amplification, slope compensation, protection switching and LNB power. Solutions are available to cover extended L-Band, over-the-air DTV, 70/140MHz and other signal ingest or uplink applications.



Simulsat

Simulsat is the world's only true full-arc multiple satellite antenna that is capable of receiving satellite transmissions from 35 or more satellites simultaneously, without adjustment or degradation in performance from one satellite to the next. Simulsat is 2° compliant with the ability to capture signals from all C & Ku Band satellites within a 70° view arc.

Available in two different size and performance variations, the Simulsat is the ultimate solution for Broadcasters, Cable Television, Universities/Distance Learning, Television and Radio, Military/Government and Business Corporations with multiple satellite reception requirements worldwide.



SIMULSAT 5B

- Performs equivalent to 4.5 Meter C-Band Prime Focus Parabolic Antennas
- Performs equivalent to 2.4 Meter Ku-Band Prime Focus Parabolic Antennas
- Requires Less Space — takes up the same space as three parking spaces

SIMULSAT 7A

- ATCi's Latest Advanced Model
- More Arc Coverage — receives, with uniform performance signals from all satellites within a 70–75° view arc
- Performs equivalent to 6m C-Band Parabolic Prime Focus Antennas
- Performs equivalent to 2.4m Ku-Band Parabolic Prime Focus Antennas

Fiber Transmitters & Receivers

Evertz RF transport products allows operators to send RF signals over fiber from distant facilities without compromising valuable CNR and signal levels. With optional redundancy configurations, this platform facilitates site-diversity as well as antenna sharing. The wideband models extend its capabilities for L-Band, extended/stacked L-Band, over-the-air DTV, FM etc. applications.

- Short/Long Haul
- Site Diversity
- Path Diversity
- Antenna Sharing
- Multiplexing/De-multiplexing
- CWDM/DWDM
- Indoor/Outdoor
- Wideband
- 13/18V DC + 22KHz on/off
- Standalone
- 1+1 Redundancy
- N+1 Redundancy
- Manual and AGC gain control
- Dual channel options
- Modular, hot-swappable



Distribution & Infrastructure

Evertz RF, signal distribution, bypass protection, switching, amplification and LNB power products feature high performance and advanced features such as RF power monitoring, adjustable gain and SNMP monitoring and control. This is combined with the benefits of the 7700/7800 Series modular hardware platform. 15 slots for front-loading, hot-swappable modular cards are backed by the security of redundant, hot-swappable power supplies. This provides high reliability, density and easy system expansion, reconfiguration and maintenance unmatched by non-modular products. All modular products feature the ability to plug and unplug cards without removing any of the electrical or fiber cabling at the rear of the frame.

- 4/8/16/32-way active splitters
- 2/4/8/16-way passive splitters
- Dual channel LNB power inserters
- Dual channel Line Amplifiers
- 2:1 Automatic switch over
- Modular Spectrum Analyzer



RF Matrices

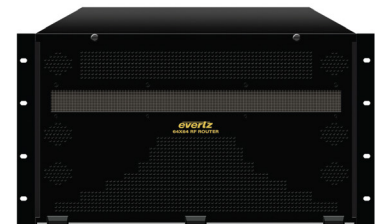
Evertz offers the most advanced and comprehensive RF signal matrices which are built upon reliable, modular and hot-swappable architecture ensuring signal continuity for 24x7 mission critical application. With thousands of small and large scale installs, this platform is the industry's number one choice when it comes to RF switching applications. Evertz RF platform serves Major Teleports, Earth Stations, Broadcasters and Headends across the globe.

Starting from a small 4x4 modular 7800 chassis-based configuration, the 7800R-4x4RF platform is available in various square or non-square configurations with software expansion up to 8x16 (ie. 4x16, 16x8, etc.). The XRF1A features 8x8 and 16x16 in a 1RU, scalable up to 32x32.

Evertz' medium sized router platform offers the XRF6 for up to 64x64 in 6RU and the XRF4 for up to 64x128 in 4RU. The XRF4 also features an integrated 10" touch screen and integrated spectrum analyzer for user friendly monitoring and control of the matrix. For custom fan-in, fan-out switching applications, Evertz offers a range of solutions including 7800R-4x4, XRF4 and more.

The latest and largest in Evertz' routing series is the new XPRF-XL, capable of a 128x256, 64x384 and other large square and non-square configurations in a single 14RU chassis. In addition to its unique features such as input, output, and mid-point redundancy, this platform also features an integrated 19" touch screen interface with spectrum analyzer display.

- Redundant
- Reliable
- LNB Power and 10MHz
- Fiber Input
- Expandable
- High Performance
- Advanced Control
- Integrated Spectrum Analyzer
- Signal Monitoring
- RF Gain
- Modular/Hot-swappable



Demodulators & IRDs

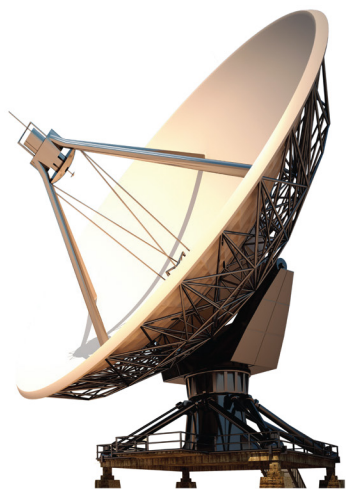
Evertz DM and IRD is the basis of a professional platform for receiving, demodulating and decoding digital DVB signals. With a compact, modular form-factor this platform represents one of the highest density and most flexible solutions in the industry. An innovative removable front control panel and 1RU chassis allow the IRD to be packaged in the traditional IRD form-factor, while maintaining all of the benefits of modularity.



- DVB-S/S2/S2x
- DVB-T/T2/C/C2
- 8VSB, QAM-B
- ISDB-T
- MPEG-2, H.264
- 4:2:0, 4:2:2
- 8-bit, 10-bit
- MPEG Layer II, Dolby, AC3
- BISS-1/E
- Dual DVB-CI
- ASI and IP Inputs Outputs
- PID Filtering
- Output Bitrate Control
- Dual Power Supply
- Modular

Professional Satellite Modulator

The 7780MD series is the basis of a professional platform for modulating and uplinking digital DVB signals. With its modular form-factor and support for DVB-S/S2/S2x standards with DVB-CID features, this platform represents one of the highest density and future-proof solutions in the industry. Standard support for IP and ASI inputs allows the users to use this platform in multiple work flows. It can be housed in 1RU chassis with a local front panel or in a 3RU chassis to provide additional density.



Uplink

With its satcom partner ATCi, Evertz provides end-to-end uplink services including BUC, HPA and SSPA and uplink antenna. With decades of experience and hundreds of installs, ATCi brings in-depth knowledge of uplink systems, including link budget calculations, confirmation from satellite providers, etc. ATCi also offers integration services as well as teleport/DR services.

VistaLINK[®] PRO SNMP M&C

VistaLINK[®] PRO is an advanced end-to-end network management system (NMS) for the broadcast, cable, satellite and IPTV industry. VistaLINK[®] PRO provides a single interface to manage the entire operational ecosystem, allowing for reduction in operational expenditures (OPEX) and an increase in quality of service.



SmartMON[™] Technology

SmartMON[™]-enabled products relay important monitoring information, such as RF input power, temperature, LNB current and other parameters from the fiber transmitter to the receiver, in-band using the connected fiber. This means that the fiber transmitter can be conveniently monitored without requiring its own separate data connection.



2408LT



SNMP



Ordering Information

Transport

2400ODU-4T

Outdoor Integrated RF Fiber Transmission System

2408LT

L-Band Outdoor Fiber Transmitter with SmartMON™

2406LR

L-Band Outdoor Fiber Receiver with SmartMON™

7708LT

Wideband RF Fiber Transmitter with VistaLINK® Monitoring and SmartMON™

7708LRA

Wideband RF Fiber Receiver with VistaLINK® and SmartMON™

7807LT-2

Dual L-Band/Wideband RF Fiber Transmitter with VistaLINK® and SmartMON™

7807LR-2

Dual L-Band/Wideband RF Fiber Receiver with VistaLINK® and SmartMON™

2307LR

Miniature L-Band/Wideband Fiber Optic Receiver

Distribution & Infrastructure

7703DA-RF Series

40MHz to 3GHz RF 1x4, 1x8, 1x16 active splitter series

7803DA-RF Series

40MHz to 3GHz RF 1x4, 1x8, 1x16 active splitter series

9000DA-RF

40MHz to 3GHz multi-channel active splitter series

7803LPS-2

Dual port LNB Power inserters

7703BPX-RF

2x1 RF Protection Switch

7703PA2

RF Amplifier with Slope Compensation

SRF1-16-1x2LB

16-channel 1x2 RF splitter/combiner in 1RU chassis, 75Ω BNC connectors

SRF3-64-1x2LB

64-channel 1x2 RF splitter/combiner in 3RU chassis, 75Ω BNC connectors

7880SA

5MHz to 3GHz card-based, single slot Spectrum Analyzer with Carrier Monitoring

Route

7800R4x4

Modular RF router, up to 8x16 configuration

XRFA-16x16

1RU RF Router with LNB power supply, up to 16x16 configuration

XRF6-64x64

6RU RF router with modular I/O modules, up to 64x64 configuration

XRF4-64x128

4RU RF router with modular I/O modules, up to 64x128 configuration

XPRF14-128x256

14RU RF router with modular I/O and mid modules

Receive

7881IRDA

Professional satellite DVB-S/S2 single integrated receiver decoder

7882IRD-S2X

Professional satellite DVB-S/S2/S2X single integrated receiver decoder

7881IRD2

Professional DVB-S/S2, ATSC, DVB-T/T2, DVB-C/C2, ISDBT dual integrated receiver decoder

7881IRD2-S2X

Professional DVB-S/S2/S2X dual integrated receiver decoder

7880DM Series

Single slot quad RF demodulator, DVB-S/S2, ATSC, DVB-T/T2, DVB-C/C2, ISDBT, with IP/ASI outputs

7882DM-SAT

Single slot quad RF demodulator, satellite DVB-S/S2/S2X, with IP/ASI outputs

Modulate

7780MD-LB

DVB-S/S2/S2X L-Band and IF Satellite Modulator

Optical System Components

Evertz offers a range of components required for complete fiber transport systems:

7705CWDM Series

4, 8 and 16-channel CWDM mux/demuxes

7705DWDM Series

8 and 16-channel DWDM mux/demuxes

9000DWDM Series

32 and 40-channel DWDM mux/demuxes

9000EDFA Series

Pre, inline and boost fiber amplifiers

7705DS Series

2, 4 and 8-way optical splitters

7707BPX

2:1 optical path protection switch

7707ET Series

10/100 Ethernet transceivers

7708CT

Gigabit Ethernet transceiver

7707DT

Serial data transceiver for RS-232, RS-485, RS-422 and GPIO

Optical signal distribution is available upon request.



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