

Media Transport



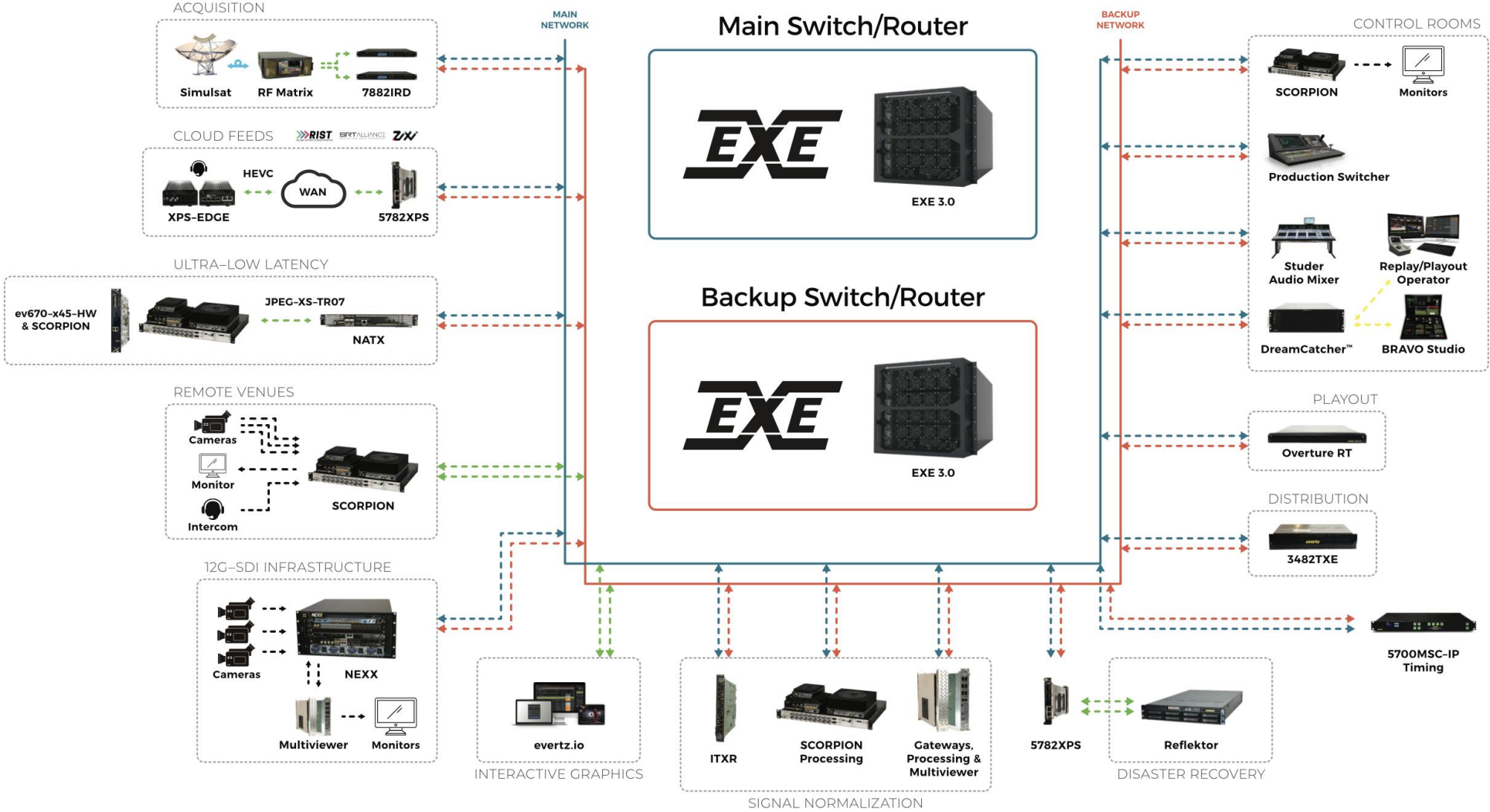
Presented by:
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Evertz Microsystems Ltd



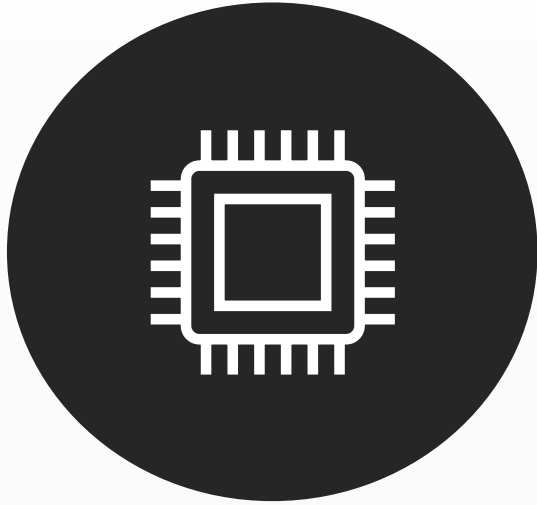
Transport Products Overview:



MAGNUM-OS VUE XCHANGE



On prem vs Cloud Production - Technology

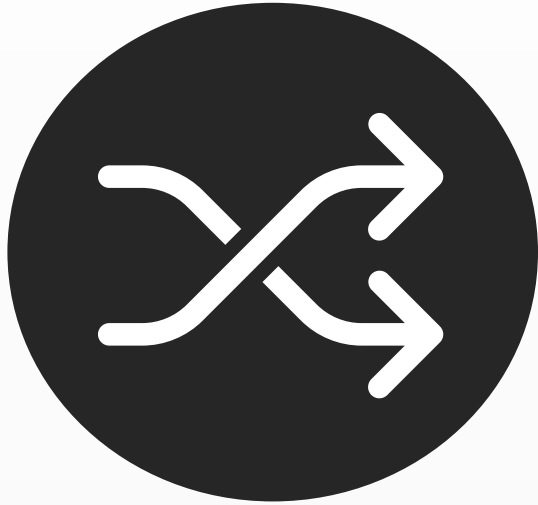


- On-prem hardware solutions
 - *Lowest latency, high performance products*
 - *Flexible platforms to accommodate any network and signal type*
 - *Platform options to pick the right tool for the job*



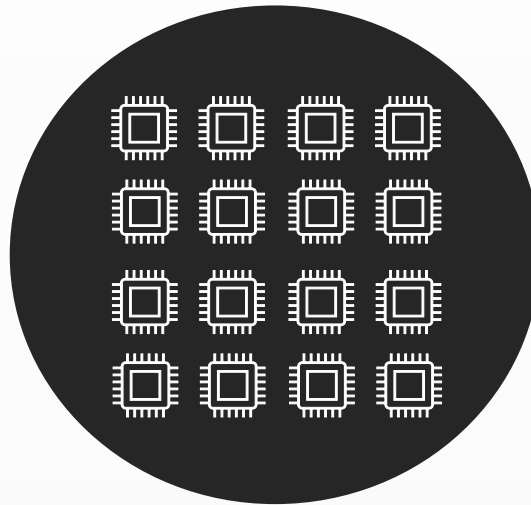
- Software and Cloud solutions
 - *Flexible software solutions equivalent to on prem hardware solutions*
 - *Transport and also processing for production and distribution workflows*

On-Prem Hardware Solutions - Different tools for different problems



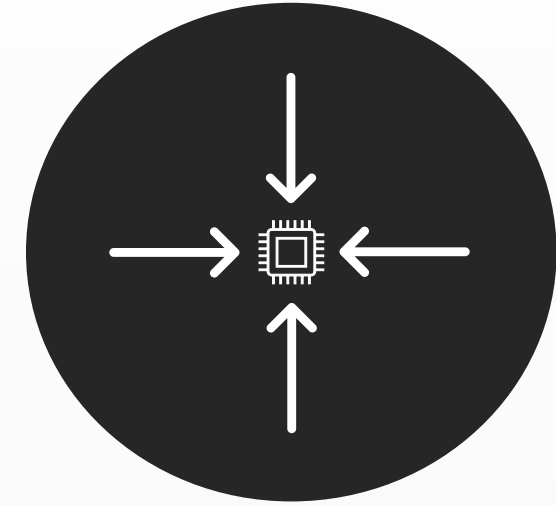
- Flexible Platforms

- *Reduce equipment at the edge*
- *Integrated routing and switching functionality*
- *Ideal for remote edge*



- Bulk Platforms

- *Higher density platform for optimizing rack space and fabric ports*
- *Ideal for facilities, data centers, and trucks*



- Small Form Factor

- *Easy to install and maintain by non-technical staff*
- *Low density cost effective edge*



Remote Edge Contribution offerings



XPS

Main Features:

- H.264/HEVC
- SDI and ST 2110 support
- Support up to UHD
- Multiple form factors
- Multiple transport protocol support



SRT ALLIANCE
SECURE RELIABLE TRANSPORT


RIST Forum



SCORPION

Main Features:

- Multiple form factors
- Integrated switch and crosspoints
- Different audio/video processing modules
- SDI and ST 2110 support



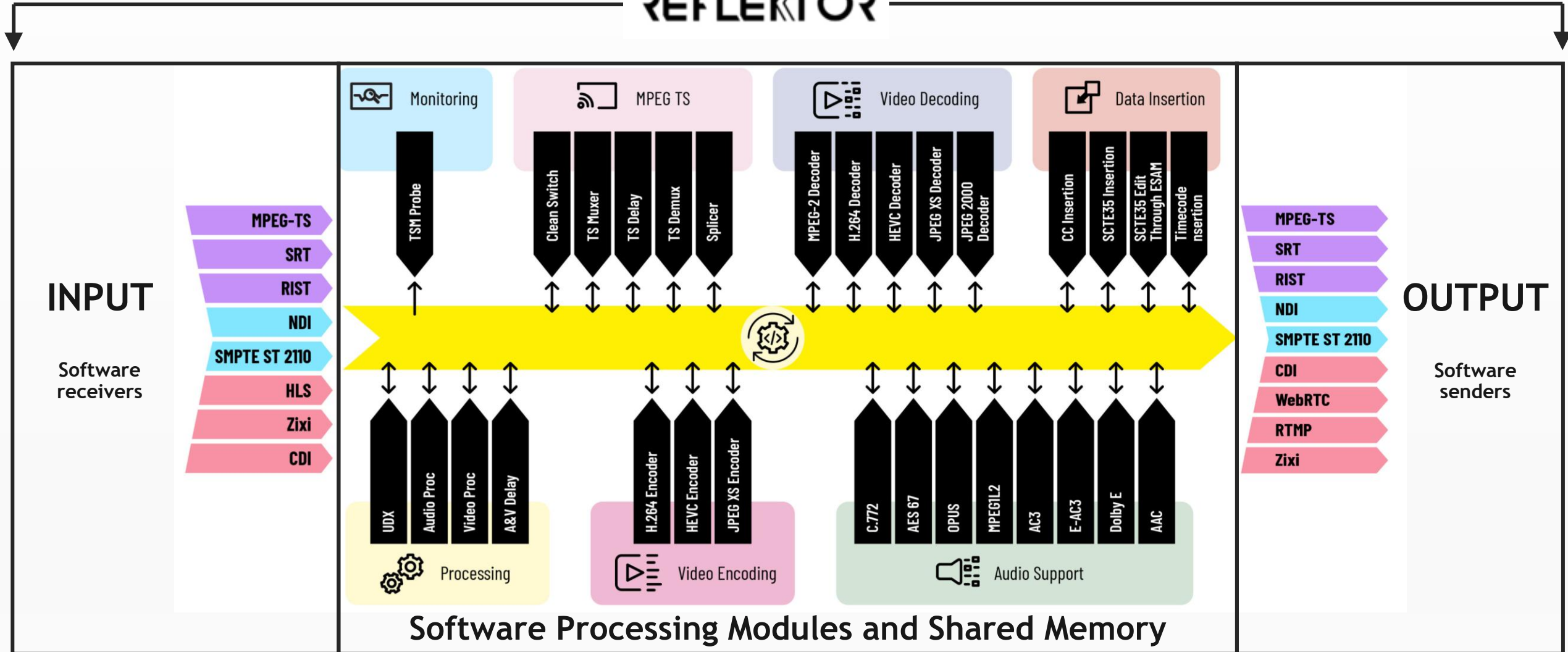


Signal acquisition and Distribution



Reflektor - Software based cloud and on-prem processing

REFLEKTOR





ATCI

evertz

QUINTECH

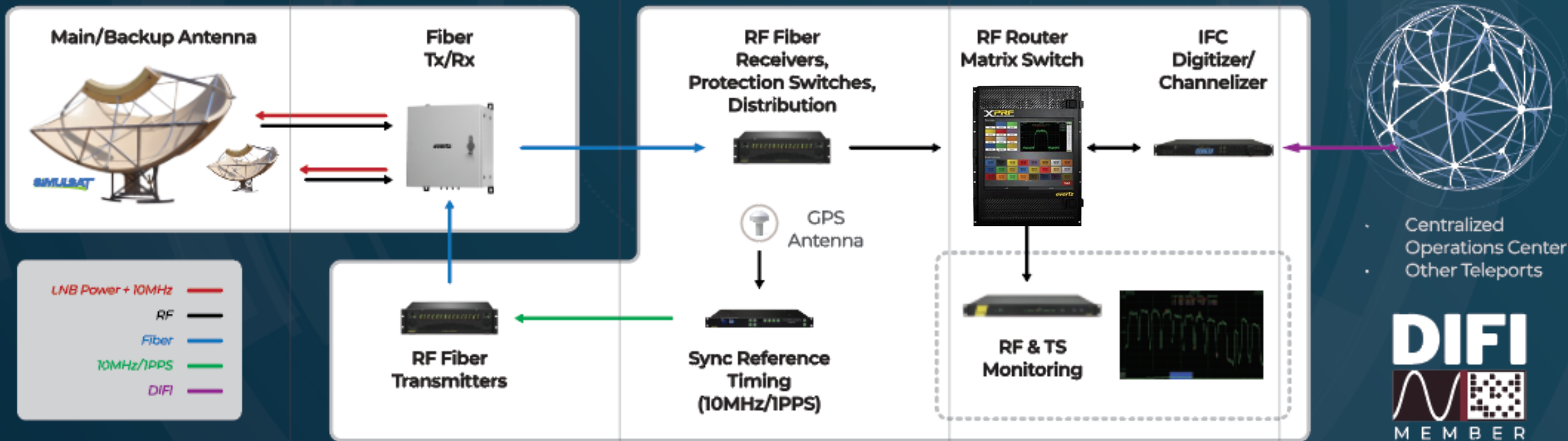
End-to-End RF Solutions

Antenna Site

Equipment Room

MAGNUM-OS
Monitoring & Control Software

Network





SCORPION-518

Satellite Reception

Demodulators & IRDs

SCORPION N

Demodulator Module

- DVBS/S2/S2x demodulator
- Quad demodulators
- Single, Dual, Quad RF inputs
- 16 SPTS for each RF channel
- 32 x channels in 1RU



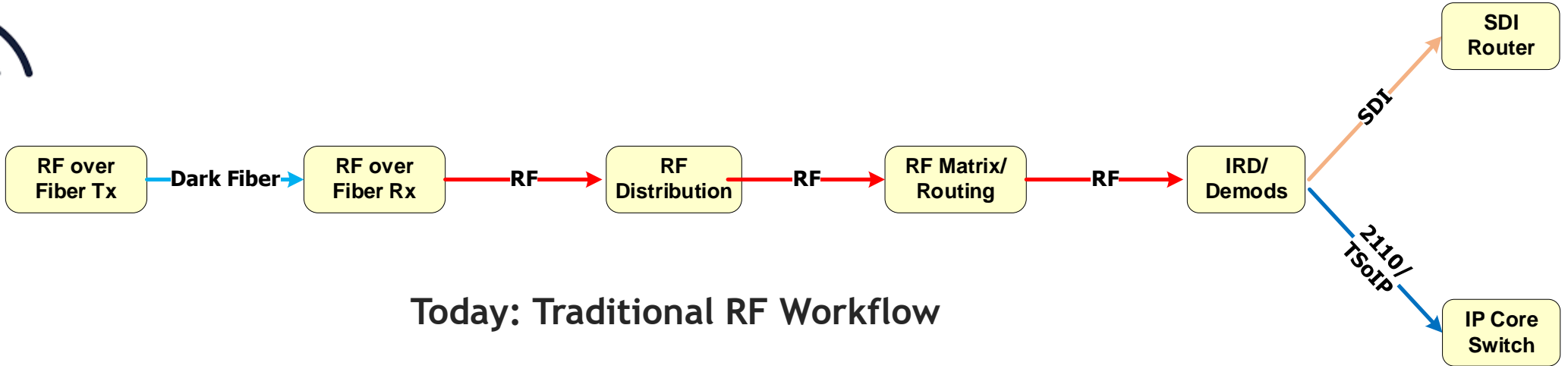
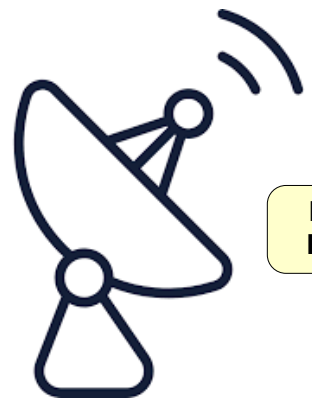
SCORPION

Satellite Decryption Module

- Dual Slot Professional CAM slot
- DVB-CI Compliant
- 16 SPTS for each TS channel
- Up to 16 x CAMs in 1RU



RF Evolution: Game Change in RF Industry



Today: Traditional RF Workflow

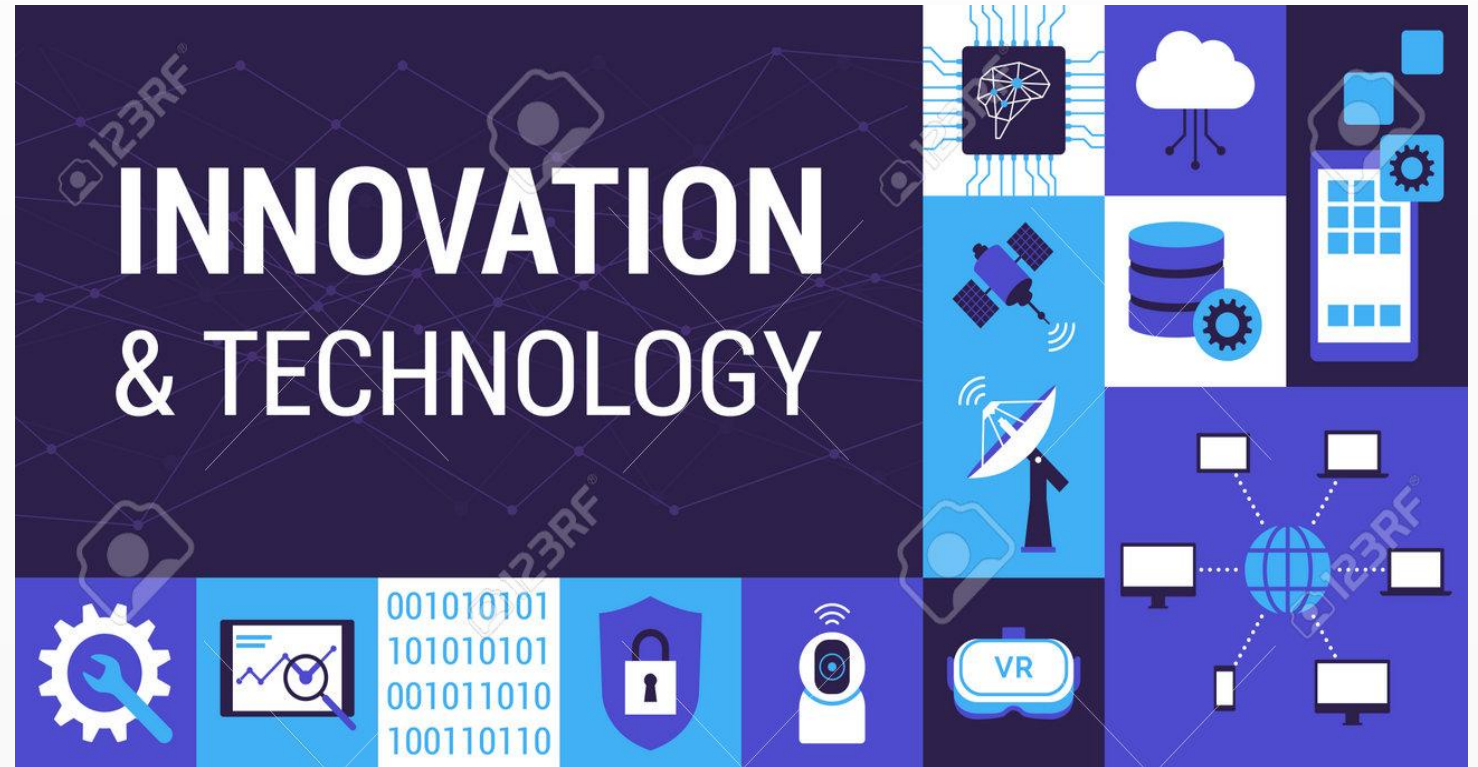


Vision: Future RF Workflow

RF over IP/ Digitized RF

Why RF over IP?

- Take Advantage of IP
 - Flexibility & Versatility
 - Simplicity
 - Scalability
 - Futureproof
- Converge RF Signals into IP workflow
- Scarcity of Resources
 - not easy to find RF engineers



RF over IP/ Digitized RF

Our Solution - Overview

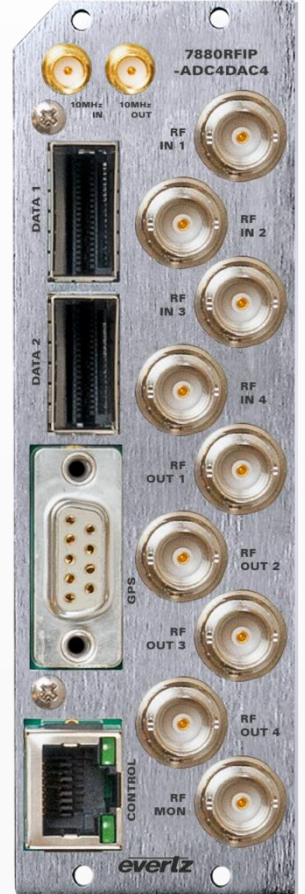
- Modular
- 1- 600MHz Real-time Bandwidth/Channel (Selectable)
- Software License for 1GHz Support wideband input.
- 4-16 bit Sample Size (User controlled)
- Dual 10/25/100 GBE Throughput (QSFP Trunk Ports)



Quad RF to IP Conversion



Quad IP to RF Conversion



Quad Bi-directional RF to IP Conversion



RF over IP/ Digitized RF

Channelizer/De-Channelizer - 670WSP-HW Overview

- FPGA Processor with WSP APP and licenses.
- User-selectable Wideband Channel bandwidth up to 600MHz for processing.
- User-selectable Narrow Channel bandwidth 0.6 - 75Mhz
- Sample Size 4-16 bits
- 6x100GbE throughput (QSFP trunk ports) per blade



XRU1



- 1RU RF router
- Up to 16x32 Configuration
- 50-2450 MHz Frequency Range
- Optional License for FIFO
- Optional Integrated Spectrum Analyzer Hardware
- Dual hot-swappable power supplies
- Dual hot-swappable Frame controllers
- Hot-swappable Front Touch Screen panel





Magnum-WSP



- MAGNUM-OS software module with integrated support of the Evertz Digital RF system including WSP Combiner/Divider for control and monitoring applications.
- This software module provides a tailored control and monitoring
- Package over Evertz equipment as deployed and hosted as part of the combiner/divider system.
- Requires MAGNUM-OS license, MAGNUM 100 Flow license, and



Thank You



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