

# VirtU 32

## All-IP core infrastructure & media signal processing hub w/32 processing slots

The VirtU all-IP core infrastructure and processing platform provides an extremely dense array of Riedel MuoN software-defined SFP IP processors in just 1RU. Designed to address media signal processing and SDI-to-IP conversion for mission-critical and HD up to UHD IP production environments, the platform allows users to build their key advanced processing power modularly as their needs grow!

The VirtU 32 core processing frame can be used as:

- Bulk 32 IP-to-IP up/down/cross converter
- 512x32 multiviewer
- 64 UHD ST2110 – SDI bulk gateway solution
- 32 audio matrix, each one with 2048 x 2038 audio channels
- Bulk JPEG-2000 encode or decode with up to 64 channels
- Or a combination of many different functions

The mission-critical frame construct provides 8x independent clusters, each one with MuoN Processing SFPs connecting to a dual set of uplinks for integral support of ST2022-7 hitless redundancy.



### Features:

- 32 Processing SFPs in a single RU space
- 8 independent processing clusters
- Full support of ST2022-7 with dual uplinks fiber
- Selectable network interfaces 100/40GE
- Software-selectable processes including: gateways, up/down/cross conversion, down converter, clean switching, color correction, quad links to single link flow conversion
- Available redundant power supply

### Benefits

- Virtualized! Fits anywhere!
- Optimize bandwidth to your core
- Virtually no point of failure
- Passive hub = full resiliency
- Support for SD-up-to-UHD IP production
- Modular - build as you grow!
- Minimize OPEX!
- Highly robust solution

### Specifications:

- Dimensions: 43mm(H)x 435mm“(L) x 394mm(D)
- Power consumption: 450w Maximum
- Weight: 5.4 Kilograms
- I/O Ports: 32 ports, 10 or 25GE
- Up-link ports: 16 ports, 40GE or 100GE

### Ordering Info:

Frame can be populated with MuoN-SFP-B devices. Each cluster can house up to 4 SFP operating at the same rate. The Uplink module selection is a factor of 4 times the host speed rate of the MuoN SFP. Only use recommended uplink SFP or cable from Riedel to connect to the core IP switch. Tailor your solution – use the online configurator!