MEDIORNET MicroN

MicroN is an 80G media distribution network device for Riedel's MediorNet line of media transport and management solutions. Working seamlessly with the MediorNet MetroN core fiber router, MicroN is a high-density signal interface with a complete array of audio, video, and data inputs and outputs, including 24 SD/HD/3G-SDI I/Os, two MADI optical digital audio ports, a Gigabit Ethernet port, two sync reference I/Os, and eight 10G SFP+ high-speed ports. MicroN is available as a fully networked MediorNet device, as well as in a point-to-point edition at a very competitive price point.

In just 1RU, MicroN offers a highly versatile signal interface that can be used in productions of every size and complexity. For the largest media networks built on MediorNet transport devices, MicroN can serve as a breakout box for a MetroN router and extend connectivity beyond the fiber I/Os to any type of video and audio I/O required. Or, MicroN can simply work with a MetroN router, with other MicroN units, or in a standalone point-to-point configuration to provide an economical solution for small- to medium-sized productions. And, like the other MediorNet devices, MicroN has powerful built-in signal processing features that eliminate the need for many external devices.

MicroN – Features

- 10G (4,25G) Link bandwidth
- 3G-SDI video
- 2x MADI audio
- Gigabit Ethernet
- Synchronization (Black Burst, Tri-level, Word Clock)
- Redundant, wide-range AC power supply

MicroN – Integrated Signal Processing

- Automatic format detection
- Frame Store / Frame Synchronizer
- 16-channel Audio Embedder / De-Embedder
- Test Pattern Generator
- On-screen and system VITC displays,
- Integrated Sample-Rate Converter
- Audio/video Delay Lines

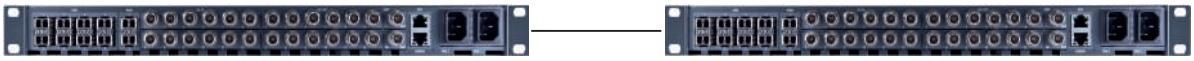
MicroN Applications

Standalone

Operating in standalone mode, the MicroN can act as a 12x12 router and audio embedder/de-embedder with MADI SRC and delay, and also provides video frame sync and delay.

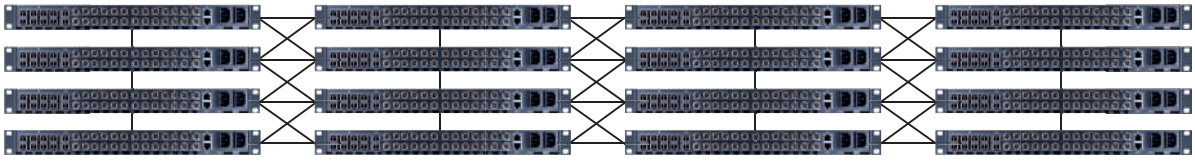
Point-to-Point

In a point-to-point deployment, multiple paired MicroN units can provide all of these capabilities plus support for up to 12 bi-directional SDI I/Os, two MADI I/Os, and a Gigabit Ethernet link.



Meshed Network

Interconnecting MicroN nodes in a meshed fashion leads to a very scalable, decentralized video routing application. This approach can be used as a replacement for small to medium sized routers and offers a very flexible system design, allowing users to extend the router capacity in both signal capacity and distributed system locations by adding MicroN nodes to the network.



Router Function incl. MetroN and MicroN

Multiple MicroNs can be integrated as a central video router for redundant processing of up to 192x192 HD-SDI signals, and they can also be deployed in a distributed fashion as a decentralized video router.