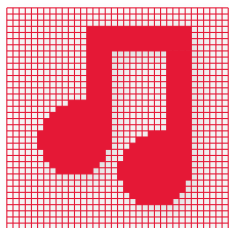


The World's biggest IP audio channel shuffler



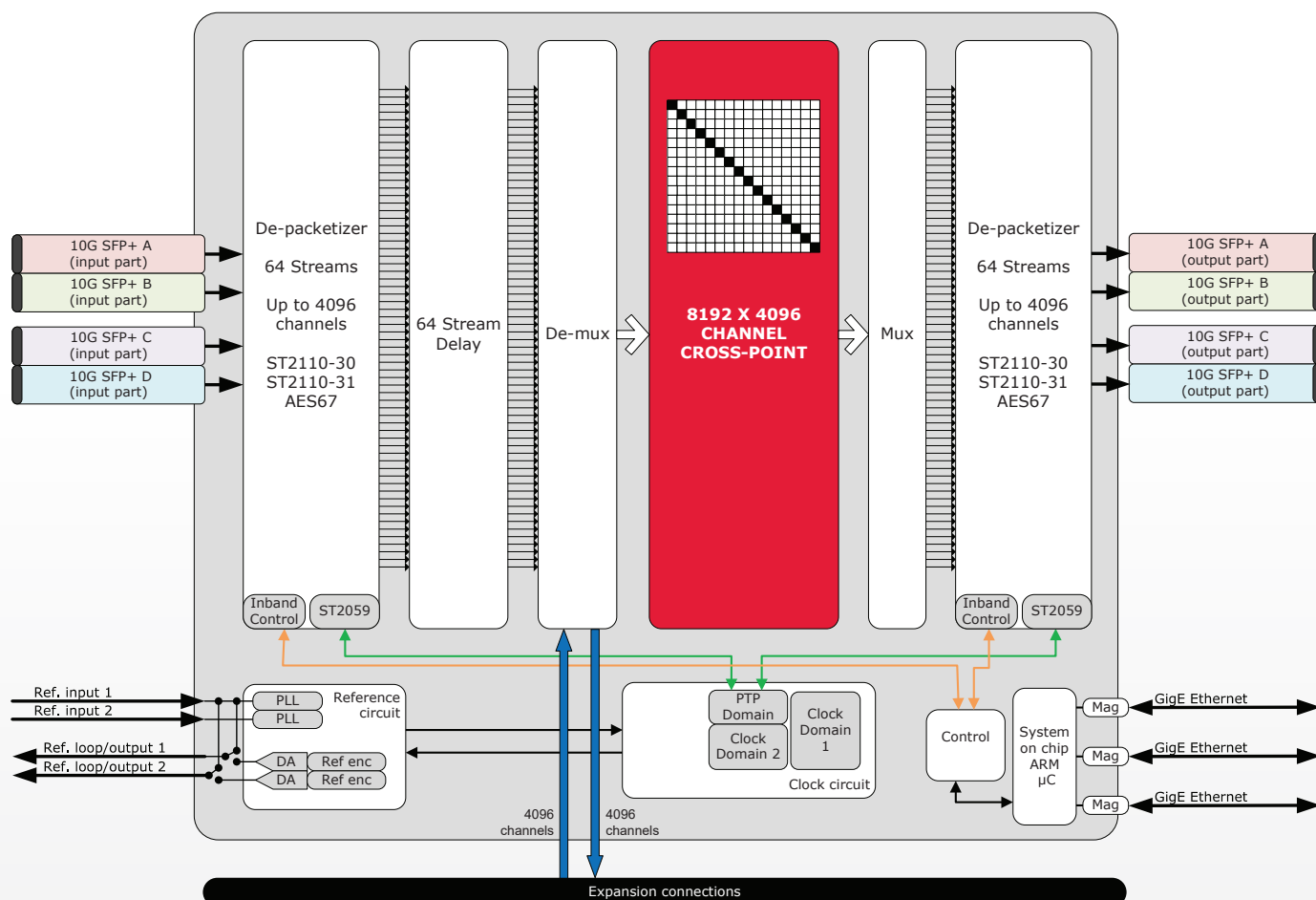
With new IP based audio formats, like ST2110-30 and ST2110-31, the amount of audio channels within a broadcast facility can easily grow into the thousands. Managing which channels belong in which audio streams, and shuffling the various channels from one stream to the other is becoming quite a challenge. With the Neuron Audio Matrix option you can shuffle, mix and delay thousands of audio channels in a 8192x4096 audio matrix.

Cascading two cards creates one huge audio matrix

The Neuron audio matrix runs on the same hardware as the general processing modules of Neuron. A Neuron frame can hold 2 modules. In between the modules there is a 100Gb/s bus via which all 4096 audio channels can flow from one card to the other in both directions. This means that in just 1 RU you can fit a 8192 x 8192 audio matrix.

The Neuron audio shuffler will handle 256 streams on two 10G SFP+ connectors (and 2 more for redundancy). Each stream can contain up to 64 channels per stream until 4096 channels is reached. The first release of this module will handle 4x 16 audio streams in and out on 4x 10G SFP+ connectors. Each stream can contain up to 64 channels.

NAM8192 – Neuron Audio Matrix



KEY FEATURES:

- Audio Router with 8192x4096 channels
- AES67, ST2110-30 and ST2110-31 compatible
- 4096 channels from local IP inputs and 4096 channels from an adjacent NAM8192 board
- Delay adjustments per stream
- Routing via the SW-P-08 protocol