

Comparison Audio Network Modules

| | RAV.IO / RAV.SRC.IO | DANTE.IO / DANTE.SRC.IO | SG.IO / SG.SRC.IO | MILAN.IO/ MILAN.SRC.IO |
|--|-----------------------------------|------------------------------------|------------------------------|---|
| Network | | | | |
| Protocol | RAVENNA | Dante | SoundGrid | AVB |
| Network-Layer | 3 | 3 | 2 | 2 |
| Number of channels (1 FS / 2 FS / 4 FS) | 128 / 64 / 32 | 64 / 32 / 16 | 128 / 64 / – | 128 / 64 / 32 |
| Number of streams | 32 | 32 | | 16 |
| Standards | AES67 ST 2110-30 /-31 | AES67 ST 2110-30* | | IEEE Standards 802.1BA-2011 802.1Q-2014 802.1AS-2011 1722-2016 1722.1-2021 |
| Signal | | | | |
| Sample Rates | 44.1 kHz up to 192 kHz | 44.1 kHz up to 192 kHz | 44.1 kHz up to 96 kHz | 44.1 kHz up to 192 kHz |
| Sample Rate Conversion | RAV.SRC.IO** | DANTE.SRC.IO** | SG.SRC.IO** | MILAN.SRC.IO** |
| Control | | | | |
| web gui | yes | yes | no | yes |
| globcon | yes | no | no | yes |
| NMOS | yes | no | no | no |
| software application | ANEMAN | Dante Controller | SoundGrid Studio | ATDECC controllers (e.g. Hive) |
| Interfaces | | | | |
| RJ45 Gigabit Ethernet | 2 | 2 | 2 | 2 |
| SFP | 1 | 1 | 1 | 1 |
| Features | | | | |
| WAN capability | yes (> 500 ms delay) | no | no | no |
| Stream Redundancy | yes ST 2022-7 | primary / secondary | no | yes |
| Switch Configuration | yes | yes | no | yes |
| Out-of-band management | yes | no | no | no |
| PTP Hybrid Mode | yes | yes | no | no |
| Discovery | RTSP, SAP, NMOS IS-04, mDNS | SAP, mDNS | – | mDNS |

* only with Dante Domain Manager

** the HD SRC of the XX.SRC.IO has a latency of about 50 samples (about 1 ms @ 48 kHz), the FastSRC™ option of the PRODIGY or MAVEN has a latency of 6 to 8 samples - <https://www.directout.eu/support/glossary/>.