

# VOIP-108 G2 / Connect IPx8 – Intercom-over-IP Solution

Intelligent and seamless interfacing to the outside world is the key to success in many intercom applications. Connect IPx8 is a specialised Audio-over-IP interface to connect your intercom system to IP-based networks.

The VOIP-108 G2 Client Card and the Connect IPx8 are designed to transport quality audio with low bandwidth over digital IP-based networks. Designed for mission-critical applications like the broadcast industries the devices provide several failsafe options, which ensure audio is available even under extreme circumstances.

There are three major applications for the devices:

- multi-port matrix-to-matrix connections (Trunking)
- multi-port matrix-to-control panel connections (Remote panels)
- multi-channel distribution of audio lines

## VOIP-108 G2 8-Port Matrix Client Card

The new VOIP-108 G2 card converts eight Artist matrix ports into a compressed IP-stream and vice versa. In order to always ensure excellent audio quality, a user can choose between a high-quality mode with an audio bandwidth of 6 kHz resulting in a data rate of less than 80 kBit/s (incl. panel data), and a low-traffic mode with 4 kHz audio bandwidth and a data rate of less than 40 kBit/s per channel (incl. panel data). The VOIP-108 G2 client card communicates either with a VOIP-108 G2 client card in another Artist system, e.g. for trunking, or with Riedel's new Connect IPx8 panel interface.

## CONNECT IPx8

### Connect IPx8 8-Port Panel Interface

The Connect IPx8 is a 19"/1RU unit which converts eight AES or analogue signals into IP data and vice versa. The device is available in three versions, offering different interface options on the rear of the unit. The CAT5 and COAX versions are for connecting panels and other AES signals, while the AIO version is perfect for the connection of 4-wires and other analogue sources. The Connect IPx8 can flawlessly connect up to eight standard Artist 1000, 2000 or 3000 series control panels with full functionality to an Artist matrix via an IP-network.

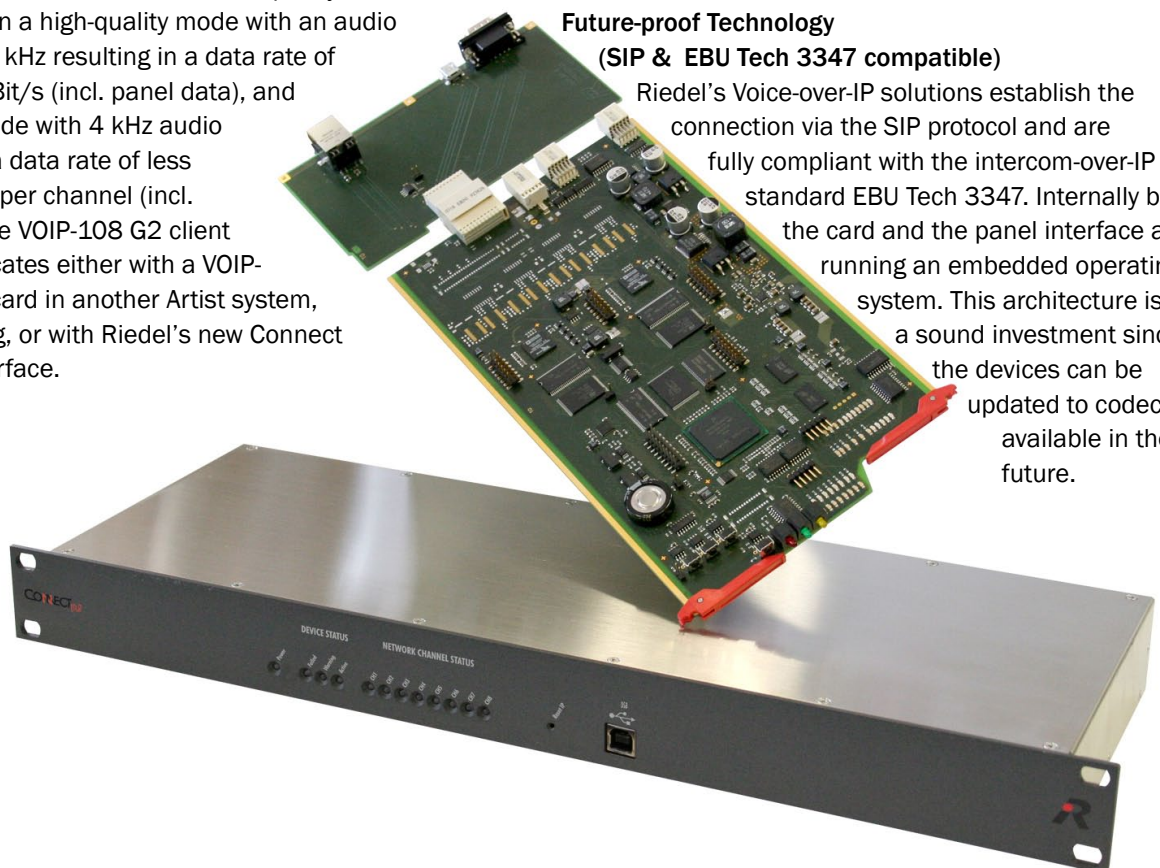
### Easy Configuration

The VOIP-108 G2 client card and the Connect IPx8 panel interface can be configured directly in the Director configuration software or via any Internet browser.

### Future-proof Technology

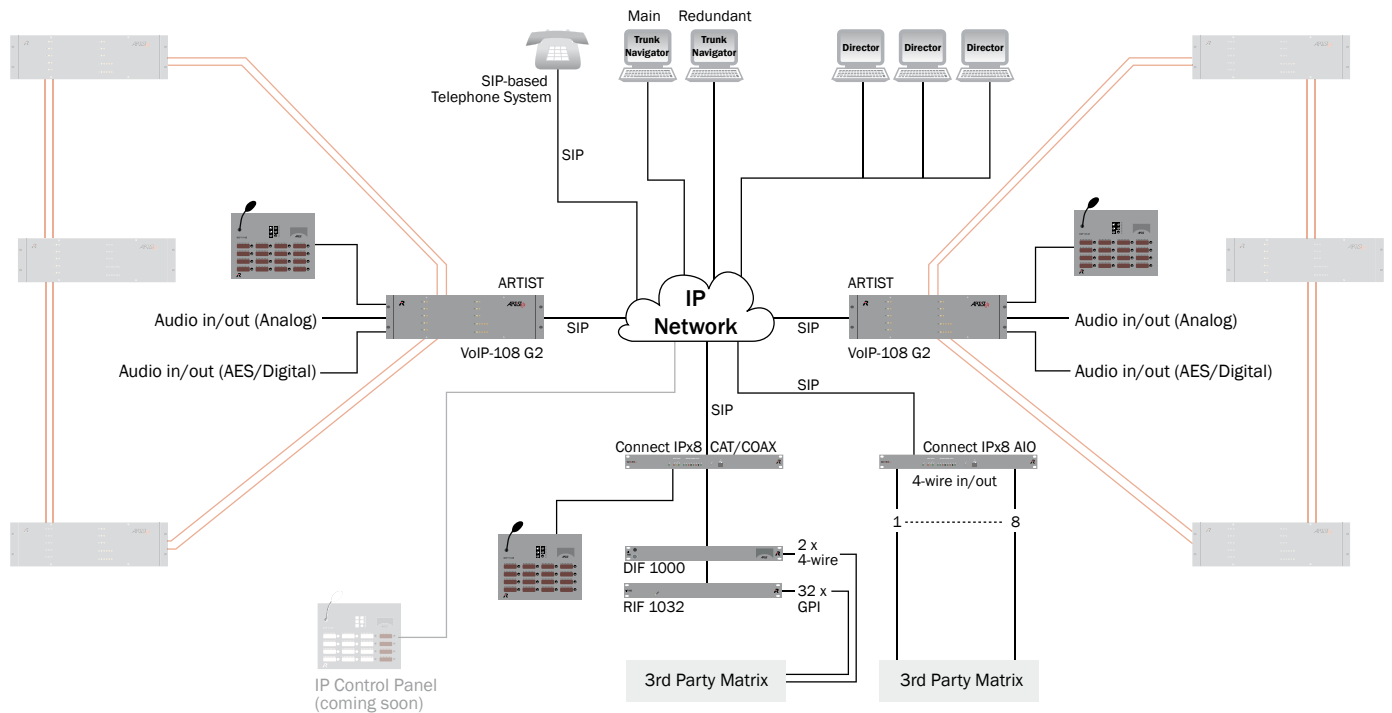
#### (SIP & EBU Tech 3347 compatible)

Riedel's Voice-over-IP solutions establish the connection via the SIP protocol and are fully compliant with the intercom-over-IP standard EBU Tech 3347. Internally both the card and the panel interface are running an embedded operating system. This architecture is a sound investment since the devices can be updated to codecs available in the future.



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## System Overview



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