

Tango TNG-200

The TNG-200 is a network-based platform offering connectivity over AES67 and AVB. The hardware offers powerful processing and rich connectivity options.

Together with the “My First Riedel” Intercom Application the TNG-200 turns into a powerful intercom platform.

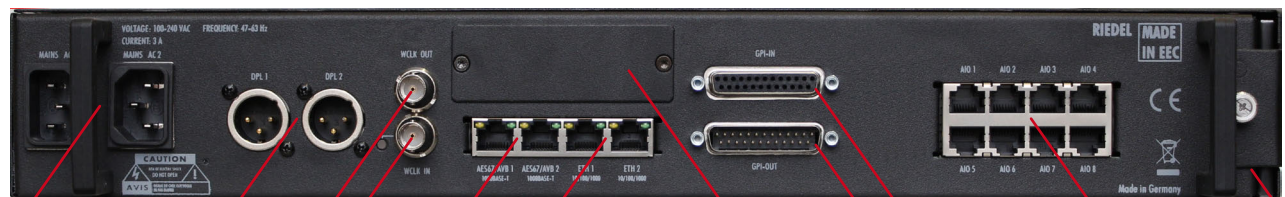
- 19” rack size mainframe with 1.5 RU dimension
- Redundant power supplies and fan modules
- 2 × Integrated Riedel Digital Partylines
- 2 × AES67 / AVB compatible ports
- 8 × 4-Wire ports
- 10 × GPIO (In/Out)

TNG-200 Digital Audio Platform



Front View

- 1 2 3 4



Rear View

- 5 6 7 8 9 10 11 12 13 14 15

Legend

- | | | |
|--------------------------|--|---|
| 1) Status LEDs | 6) Riedel Digital Partyline Connectors | 11) Option Slot |
| 2) Front USB Connector | 7) Wordclock Output Connector | 12) GPI Output Connector |
| 3) Color TFT Display | 8) Wordclock Input Connector | 13) GPI Input Connector |
| 4) Operation Buttons | 9) AES67/AVB Connectors | 14) Analog 4-Wire In-/Output Connectors |
| 5) Dual Power Connectors | 10) ETH Connectors | 15) Air Filter Clamp |

Tango TNG-200

Hardware

Controls	
Display	Sunlight Readable High-resolution color TFT display
Keys	7 Buttons for easy navigation
Status LEDs	2 × Power 3 × Device Status (Failure/Warning/Active) 2 × Digital Partyline 4 × Network Status 1 × Wordclock Input Status
Connections	
Partyline	2 × Connectors for two Riedel Digital Partylines Each Partyline can consist of up to 16 stations Maximum overall number of stations: 16
Synchronization	1 × BNC Wordclock Input 1 × BNC Wordclock Output
AES67 ¹ / AVB	2 × RJ-45 (8P8C) Connectors 1000BASE-T Link and Activity LED
Ethernet	2 × RJ-45 (8P8C) Connectors 10/100/1000BASE-T Link and Activity LED
GPI-In	10 × galvanically isolated inputs on D-Sub 25 female 12 V out max. output 0,5 A short circuit proof
GPI-Out	10 × galvanically isolated outputs on D-Sub 25 male 12 V out max. output 0,5 A short-circuit proof
Analog 4-Wire Audio	8 × RJ-45 (8P8C) analog 4-Wire (bidirectional)
Option Slot	1 × internal option slot
USB Port	USB 2.0 Type B
Overall	
Environmental Temperature	0 °C ... +50 °C
Humidity	20 % ... 90 % rel. hum. (non-condensing)
Altitude	3000 m abs. alt.
Supply Voltage	100 ... 240 VAC, 50 / 60 Hz (redundant)
Power Consumption	≤ 200 W
Cooling	4 Redundant Temperature Controlled Fans
Form Factor	19", 1,5 RU
Dimensions (w×h×d)	444 mm × 66 mm × 343 mm (Installing Dimensions)
Weight	5,5 kg (including FANs and PSUs)

¹ AES67 support via future software update

Above table describes hardware. Connectivity options and interfaces may not be available depending on loaded application.

Software

„My First Riedel“ Application for TNG-200		
Matrix Size	Network Streams (Panels)	32×64
	DPL	4×4
	AIO (onboard)	8×8
Supported Features	Point-to-Point calls	Groups
	Conferences	IFBs
Matrix Functions	Stereo	4 Logics (with basic logic functions) ²
	4 stackable Functions per Key	Vox
	8 IFBs	4 Room Codes ²
Key Functions	Call to Port	Call to IFB
	Call to Conference	Listen to Port
	Reply	Mic Kill ²
	Route Audio	Switch GPIO
	Call to Group	Sidetone ²
	Logic Sources ²	Dial command ²

² with firmware update