

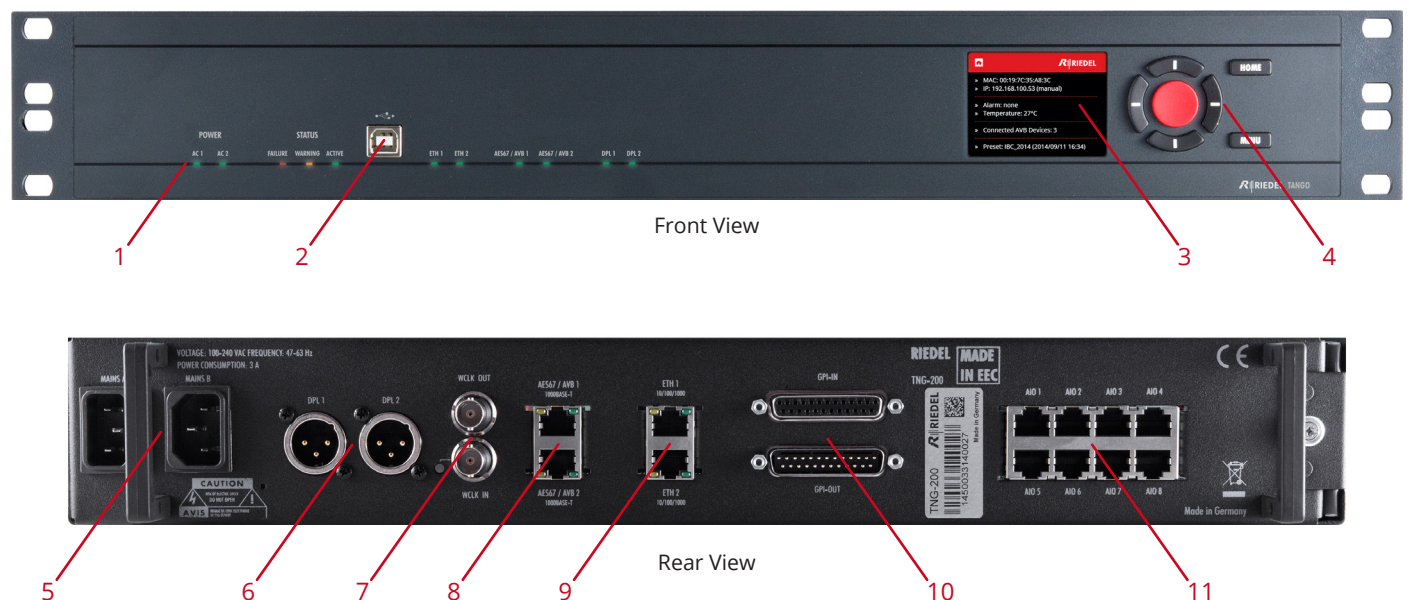
# Tango TNG-200

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



### Legend

- |                        |  |   |
|------------------------|--|---|
| 1) Status LEDs         | 5) Dual Power Connectors               | 9) Ethernet Connectors                  |
| 2) Front USB Connector | 6) Riedel Digital Partyline Connectors | 10) GPI In-/Output Connectors           |
| 3) Color TFT Display   | 7) Wordclock In-/Output Connectors     | 11) Analog 4-Wire In-/Output Connectors |
| 4) Operation Buttons   | 8) AES67/AVB Connectors                |   |

# Tango TNG-200

## Hardware

<b>Front Controls</b>	
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
<b>Connections</b>	
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 with status LED 1 × BNC Wordclock Output
AES67 / 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 1.1 Type B
<b>Overall</b>	
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 Speed 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)

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

## Software

<b>„My First Riedel“ Application for TNG-200</b>	
Matrix Size	40 × 80
Number of Connections via AES67 / AVB	32 Streams to Key Panels converters or other network devices
Supported Features	Point-to-Point calls
	Conferences
Matrix Functions	Stereo
	4 stackable Functions per Key
Key Functions	8 IFBs
	Call to Port
	Call to Conference
	Reply
	Route Audio
	Call to Group
	Logic Sources
	Groups
	IFBs
	4 Logics (with basic logic functions)
	Vox
	4 Room Codes
	Call to IFB
	Listen to Port
	Mic Kill
	Switch GPIO
	Sidetone
	Dial command