

# KROMA TELECOM



## DIGITAL TALKBACK SYSTEM TB7000

### MASTER CONTROL TM7000

- It can control up to 128x128 crosspoints, it can have up to 4 matrices of 32x32 (interconnection among them).
- It can store up to 8 configuration maps for its later activation.
- Configuration maps downloadable from floppy disk or PC format.
- User Interface through LCD and keyboard for the system state verification, assigned ports and available maps to load.
- The configuration is made through own software that runs under Windows.
- Connection to Pc by RS232 that allows to operate 'on line' (edition, maps load, status, crosspoints).
- Optional Redundant power supply, showing the voltage state.
- Standard connection using twisted pair 8 wires FTP Cat 5 and RJ45 connector.

### MATRIX TM7032

- Module units of 32x32 crosspoints, expandable up to 128x128 crosspoints in racks of 32 ports. For bigger size it is done by special grouping of modules, reaching up to 384x384 crosspoints.
- Distributed Topology: The units are physically separated in order to be interconnected in ring.
- Crosspoint with individual volume variation from -12dB to +12dB.
- 16 bits Digital Resolution.
- Standard connection using twisted pair 8 wires FTP Cat 5 and RJ45 connector.

### TALKBACK PANELS TP7000

- Digital transmission and reception of Audio and Data, full duplex with independent lines in each way.

- The operation mode of the (LATCH or PTT) keys is configurable via software by the user.
- 24 bits Codecs with decimation and interpolation techniques at 41,66Khz.
- Local volume control for the digital port and auxiliary analog input.
- Individual crosspoint control by means of software key variation between -12dB and +12dB.
- Auxiliary Analog Audio input/output. Optionally this port can be connected to an analog matrix (KROMA TB6000 or PESA TB8000).
- Removable microphone with XLR connector, it could be connected to dynamic microphones, electret or capacitor, selected by jumper hardware.
- Headset socket on the front panel.
- Input/Output general purpose GPIO, with Tally input/output.
- Power by external power supply +15v.
- Standard connection using twisted pair 8 wires FTP Cat 5 and RJ45 connector.
- There are different model of panels:
  - TP7016 -> 16 crosspoints keys Talkback Panel. 1 UR and full width.
  - TP7010 -> 32 crosspoints keys Talkback Panel with 2 LCD, for reconfigurable labels. 2 UR and full width.
  - TP7100 -> Intelligent Talkback Panel with Graphic Display, it allows the management of the whole system. 2 UR and full width.
  - TP7210 -> On a desktop Talkback Panel with 16 crosspoints keys and LCD. Function of direct dialing with management of calls.

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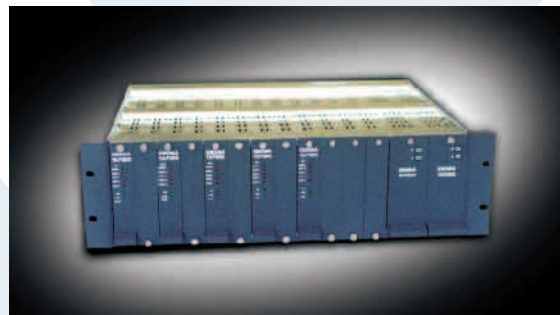
## INTERFACE CARDS TR7000

- Interface cards for connection to digital networks or analog signals, lodged in a rack frame of 3UR.
- Each rack frame can lodge up to 12 cards, grouped by pairs of the same model.
- 24 bits Codecs resolution.
- Input/Output analog margins 12dBv.
- Variation of individual volume by each digital port between -12dB and +12dB.
- There are different interface card models:
  - TA7000 -> 4 Analog interfaces card for 4 wires circuits with transformer isolation.
  - TA7001 -> 2 Digital ISDN interfaces card with G.711 and G.722 protocol for remote control of audiocodec Pronto2. Function as routing of audio and data, with automatic call from the Talkback Panel.
  - TA7002 -> 2 Analog Interfaces card for hybrid telephone lines. It implements the FXO interface (tip, ring) for PSTN to telephone mode.
  - TA7003 -> 4 Analog interfaces card for 2 wires with transformer isolation.
  - TA7004 -> 2 Analog interfaces card for hybrid telephone lines. It implements the FXS interface for the connection of telephones with switchboard functions.
  - TD7000 -> 2 Digital ISDN interfaces card with G.711 protocol. It operates with up to 4 B channels.
  - TD7001 -> 1 GSM interface card (mobile/cell telephones) in 900Mhz and 1800Mhz.
  - TD7002 -> 2 Digital ISDN interfaces card for remote control of TB6000 analog Talkback panels.

- Each digital port from the different interfaces is independent per each input, being grouped by software.
- Digital connection through twisted pair 8 wires FTP Cat 5 and RJ45 connector.
- Analog connection through SUBD9 and SUBD62 connectors in high density.
- Redundant power supply with power leds.

## MECHANICAL FEATURES

- TM7000 † Height: 1 UR, 19" Width, Depth: 41 cm. Weight: 6,5 Kg.
- TM7032 † Height: 1 UR, 19" Width, Depth: 47 cm. Weight: 4 Kg.
- TM7064 † Height: 2 UR, 19" Width, Depth: 47 cm. Weight: 8 Kg.
- TM7096 † Height: 3 UR, 19" Width, Depth: 47 cm. Weight: 12 Kg.
- TM7128 † Height: 4 UR, 19" Width, Depth: 47 cm. Weight: 16 Kg.
- TP7010 † Height: 2 UR, 19" Width, Depth: 15 cm. Weight: 3,4 Kg.
- TP7016 † Height: 1 UR, 19" Width, Depth: 15 cm. Weight: 2,5 Kg.
- TP7100 † Height: 2 UR, 19" Width, Depth: 15 cm. Weight: 3,4 Kg.
- TP7210 † Height: 8,5 cm. 26,5 cm Width: Depth: 18 cm. Weight: 2,1 Kg.
- TR7000 † Height: 3 UR, 19" Width, Depth: 35 cm. Weight: 4 Kg (Without Interface Cards).



Specifications are subject to change without prior notice

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