TP5000 User panels

The TP5000 series panels represent KROMA's top range of user terminals. With 4 different audio ports, these state-of-the-art user panels can be connected to up to 3 different intercom systems simultaneosly. However, what makes these panels stand out is the user interface. Each crosspoint key is actually an independent graphic LCD, which can display two lines of text and is completely configurable in colour, brightness and function.

New graphic LCD keys

The TP5000 panels feature 8 or 24 multifunctional keys. Each key consists of a LCD display, with configurable colours (with 64 different possibilities) and two text lines of 6 characters (6+6). Additionally, 8 brightness levels can be selected to fit any lighting condition.

Multiple key configurations to choose

Two rackable user panel models are available in the 5000 series: the TP5008 is provided with 8 keys, while the TP5024 includes 24 keys. These may be expanded thanks to the EP5024 kit, that adds 24 additional keys in only one extra RU high.

It is also possible to set up to four different pages on the key configuration, multiplying by four the possible crosspoints available on the panel. The keys can be easily configured to work as LATCH or PTT, as well as a combined mode.

Wide connection possibilities

The TP5000s are provided with 4 different audio ports: 2 digital ports, 1 IP port and 1 analogue port, what makes them compatible with any KROMA intercom matrix.

Additionally, a GPIO audio working with voltage and contact closure is available.

Internal audio matrix

Given the wide choice of audio ports, the panels include a small internal audio matrix which can be configured from the menus on the multifunctional keys of the panel or from the Crossmapper software.

Different applications of this feature are possible; for instance, a digital port and the analogue port from a panel may be used as an A/D interface to the matrix by setting a permanent IFB.

Front view of TP5024

Front and rear view of EP5024

Technical specifications

TP50xx user panels

Analogue connection	SUB-D9 male connector. Nominal level: normal 2 dBv / Maximum 10 dBv Impedance: 600 Ω output, 15 KΩ input Bandwidth =150Hz-12KHz Quality: SNR>80dB, THD < 1% at 4dB
Digital connection	RJ45 conector Sampling: 44.1 KHz Audio 16 bits + 8 bits data KROMA Intercom protocol at 2Mb/s
Net connection	RJ45 connector Ethernet 10/100BT, Baud rate 10Kb/s TCP/IP protocol, UDP socket, with KROMA PRTP
GPIO	RJ11 connector GPI +5V, GPO contact closure
Expansion port	RJ45 connector, RS232
Control	USB connector
Headset	Tini-QG 4 pins (mini-XLR type)
Power consumption	Normal: 10W / Max 22W
Power supply	External AC/DC adapter. Input: 110-240V.
Dimensions and weight	44.4 mm(1RU) x 440mm (19" rack) x 77mm. 1.6 Kg

EP5024 exp. panel

Expansion port	RJ45 connector, RS232
Power consumption	Normal: 10W / Max 22W
Power supply	External AC/DC adapter. Input: 110-240V.
Dimensions and weight	44.4 mm(1RU) x 440mm (19" rack) x 77mm. 1.6 Kg

Ordering info

User panels

TP5024R01	2 dig, 1 Net, 1 an. ports; 1 GPIO port; 24 graphic LCD keys
EP5024R01	Additional 24 graphic LCD keys
TP5008R01	2 dig, 1 Net, 1 an. ports; 1 GPIO port; 8 graphic LCD keys

Headsets

MC7000X09	One-ear headset with mic.
MC7000X10	Two-ear headset with mic.
MC7000X11	Beyerdynamic closed two-ear headset with mic.
MC7000X07	Ear plug (no microphone)