

CONTROLLER

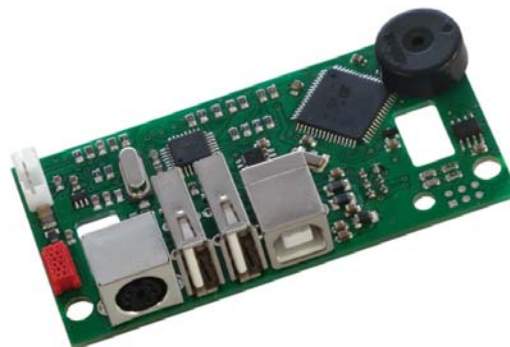
» Coordinates interaction between all the modules, stores information and communicates to the computer. Only one controller is required for any combination of modules.

All modules connect to the controller via the internal Tipro bus. They can be arranged in any order, as a Tipro bus connector is located on either side of each unit.

TM-MUK

USB controller for keyboard modules

- » USB 2.0 compatible
- » USB B connector for communication with computer
- » Supports protect function
- » Integrated HUB with 2 downstream ports (bus powered)
- » MiniDIN5 connector for external module connection



FEATURES

- » Built-in buzzer for keyclick and warning tones
- » Non-volatile memory: 64 kB
- » Reprogrammable
- » Keeps data for more than 10 years (if disconnected from power)
- » 7 LEDs (4 for layer indication, Caps, Num and Scroll lock indication)
- » 4 possible programmable layers
- » One internal Tipro bus connector
- » Supports up to 14 logical modules
- » Integrated protect functionality

CABLES

» **TM-CU1** - USB keyboard cable for connecting controllers with USB interface to computer USB port

» Colours

All cables for FREE modules are available in the following standard colours: light grey, black. Other cable colours are available on request.

SOFTWARE UTILITY

ChangeMe

» Programming the configuration.

Whatever the command you wish to program – whether to send complex strings, play warning tones, or use different interfaces simultaneously – you can use ChangeMe.

- » No technical knowledge is required
- » Automatic detection of connected configuration or keyboard
- » Permits downloading of data from file to keyboard
- » All keys and combinations of keys can be programmed
- » Each key can be programmed in 4 layers
- » Distinguishes between simultaneously and subsequently pressed keys
- » Distinguishes between single and autorepeat functions for each key in each layer
- » Batch download (downloading programming file to the keyboard without using ChangeMe). Available also for Linux.
- » Integrated testing utilities
- » Windows 2000/XP/Vista(x86) compatible
- » Windows 7 ready

Protect

» A ChangeMe feature that adds protection against misuse within the keyboard. It prevents the un-authorized use of certain key positions and key/keyboard combinations as defined by the user.

- » Permits security against unauthorised users.
- » Protects key combinations (e.g. Ctrl+Alt+Delete)
- » 4 levels of security
- » Login to keyboard alone – the password is not transferred to the computer
- » Protection data is stored within the keyboard.

Power

consumption:

Dimensions:

Packaging dimensions:

Package content:

TM-MUK

65 mA_{TYP}

86 x 45 x 17 mm, 30g

156 x 255 x 85 mm, 170g

TM-MUK, CD with programming utility, keycap removal puller

