

→ Modules with x-y matrix layout

FREE



→ TM-KMX-128A

Ordering code: TM-KMX-128A

→ A module with 128 programmable keys (8 rows × 16 columns)

: Connection:
Two internal Tipro bus connectors (left and right side)

: Power consumption: 15 mA_{TYP}
: Dimensions:
329 x 222 x 42 mm,
weight 1200 g
: Packaging dimensions:
395 x 255 x 85 mm,
weight 1460 g
: Package content:
keyboard, transparent covers for single keys

→ Mini Touchpad & Smartcard Reader

→ Mini Touchpad

The mini touchpad is a small touchpad with the size and shape of a quadruple key.
: Factory built-in option
: Replaces 2x2 keys
: Left and right mouse buttons integrated
: Plug and play
: Extra features like scrolling when touchpad driver installed

→ Smartcard Reader

The smartcard reader can be integrated in FREE keyboards with 128 or 96 keys.
: Connection:
USB (to the hub of the Tipro USB controller)
: Card acceptor with landing contacts
: Compliant with all major Smart Cards in the market
: T=0, T=1 protocol support
: Supports ISO 7816 Class A and AB smart cards
: API: PC/SC, CT-API, OCF on request
: WHQL and EMV Level 1 Certified
: Factory built-in option (for 128 and 96 key modules)

→ Keyswitches

→ Long travel keyswitches

: Type: Cherry MX
: Key travel: 4^{+0,0/}_{-0,4} mm
: Lifetime: 1×10⁹ operations (typical)
: Actuating force: 60 ± 20 cN
: Contact material: AuAg10

