→ Modules with alphanumeric keys

→ All modules have a combination of programmable and qwerty keys, each of which is programmable in four layers. The qwerty section is pre-programmed with qwerty content in two layers, but is changeable. The keyboard is available in different national layouts with printed covers for the qwerty section.

→ TM-KMR128A
Ordering code: TM-KMR128A

→ **A module whose qwerty section is compressed into the upper 3 rows, eliminating certain qwerty keys, and whose lower section of 5 rows comprises 80 keys with transparent covers.**

: 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
: Packing dimensions:
  395 x 255 x 85 mm,
  weight 1520 g
: Package content:
  keyboard, national cover set, transparent covers for single keys

→ Keyswitches

→ **Long travel keyswitches**
: Type: Cherry MX
: Key travel: $4\,^{+0,0}/_{-0,4}$ mm
: Lifetime: 1×10^9 operations (typical)
: Actuating force: 60 ± 20 cN
: Contact material: AuAg10