

ORDERING CODES



[**TIPRO®**]

FREE & FREE+

ORDERING CODES

FREE+ & FREE MODULES

» FREE+ modules 15"

T M - X V D - H 0 3 - C 1 5 -

1 2 3 4 5 6 7 8

1) X - 15" touchmonitor module (XGA resolution)

2) Video input

V - Analogue RGB (VGA)

3) Touchscreen Interface & Technology

D - Dual USB & RS232 (5-wire resistive)

4) TFT LCD display type

H - CMO G150X1-L02, 450 cd/m²

5) Special Features

0 - none

P - Tipro Power Bus (Power Board)

6) Audio Option

0 - none

3 - stereo loudspeakers (USB & Analogue interface)

7) Housing colour (see details at the end)

8) Custom version

» FREE modules

T M - K M X - 1 2 8 A - _ - C 1 5 -

1 2 3 4 5 6 7 8

1) K - keyboard module

2) Keyswitch type

M - long-travel keyswitches (Cherry MX)

B - short-travel keyswitches (Omron B3F) (only TM-KBX-128A in C15 colour)

F - front keyboard (long-travel keyswitches)

3) Matrix arrangement

X - xy matrix

Q - qwerty layout down (5 rows)

P - qwerty layout up (5 rows)

R - compressed qwerty layout up (3 rows)

4) Housing size

032 - max. 32 keys

064 - max. 64 keys

095 - max. 95 keys

096 - max. 96 keys

128 - max. 128 keys

5) Module type (interface & factory built-in options)

A - standard Tipro bus module

E - external Tipro bus module

R - PS/2 + RS232 interface (only for Front keyboards)

K - integrated 8-position keylock

G - integrated Touchpad 2x2

T - integrated Touchpad 3x4

U : USB interface (only for the Qwerty version of the Front Keyboard)

6) National layout, only if applicable

7) Housing colour (see details at the end)

9) Custom version (optional)

» FREE modules with national layout (optional)

T M - K M Q - 1 2 8 _ - D E - C 1 5 -

T M - K M P - 1 2 8 _ - D E - C 1 5 -

T M - K F Q - 1 2 8 _ - D E - C 1 5 -

6

6) National layout

US - US English

DE - German

» FREE module with numeric layout

T M - K M X - 0 3 2 _ - U S - C 1 5 -

6

6) National layout

US - US English

DE - German

TEL - TELEphony

» FREE module with integrated Touchpad

T M - K M _ - _ _ _ - G - C 1 5 -

5

5) National layout

G - integrated mini touchpad (2x2 keys)

T - integrated full-size touchpad (3x4 keys)

» Card readers

T M - R C A - C 1 5 -

1 2 3 4 5

1) R - reader

2) Reader type

A - MCR ISO TRACKS 1+2

B - MCR ISO TRACKS 2+3

C - MCR ISO TRACKS 1+2+3

D - BCR (Slot bar code reader)

3) Module type

A - standard module

4) Housing colour (see details at the end)

5) Custom version (optional)

» Identification modules

T M - I K A - C 1 5 -

1 2 3 4 5

1) I - ID module

2) Device type

K - keylock

B - iButton

R - RF ID

F - Fingerprint Recognition Module

3) Reserved

4) Housing colour (see details at the end)

5) Custom version (optional)



» Pointing devices

T M - P B A - C 1 5 -

1 2 3 4 5

- 1) **P - pointing device**
- 2) **Device type**
B - Trackball 16 mm
G - Touchpad (glide point)
- 3) **Interface**
A - PS/2
U - USB (only for Trackball)
- 4) **Housing colour (see details at the end)**
- 5) **Custom version (optional)**

» Controllers

T M - M R K - 1 0 -

1 2 3 4 5 6

- 1) **M - Controller (Master)**
- 2) **Interface**
R - PS/2 + RS232
U - USB
- 3) **Integration type**
K - FREE module (keyboard)
L - Chameleon (LCD keys) (TM-MRL only)
- 4) **Number of external Tipro bus connections**
0 - without (TM-MRL)
1 - one mini DIN5 connector (TM-M_K)
- 5) **Integrated RS232 pass through port**
0 - without
- 6) **Custom version (optional)**

Note:

The codes on positions 4 and 5 are related to the integration type and the interface. The following versions are possible: MRK-10, MRK-11 (custom), MUK-10, MRL-00, MRT-20, MRT-21 (custom), MUT-20.

» Chameleon

T M - L R X - C 1 5 -

1 2 3 4 5

- 1) **L - LCD keys**
- 2) **LCD key type**
R - resolution 32 x 16
- 3) **Matrix arrangement**
X - xy matrix 4x4
- 4) **Housing colour (see details at the end)**
- 5) **Custom version (optional)**

» Handset

T M - H U A - 6 A _ - C 1 5 C 2 5 -

1 2 3 4 5 6 7 8

- 1) **H - Handset unit**
- 2) **Audio interface**
H - analogue
U - USB
- 3) **Configuration (cradle/base electronics)**
A - standard Tipro bus module
E - external Tipro bus module (TM-HHE only)
M - standard Tipro bus module with integrated USB controller
- 4) **Handset cord**
5 - 5 wire shielded cable (TM-HU_ only)
6 - 6 wire cable (TM-HH_ only)

5) PTT (Push To Talk)/PTM (Push To Mute) and hook operation

A - programmable keys

6) Position of the wall-mount "tooth"

none - hidden

W - sticking out - wall-mount ready (example: HUA-6AW)

7) Housing colour

C15 - black (the cradle and the lower part of the handset)

C25 - black with protective coating (the cradle and the lower part of the handset)

8) Custom version (optional)

» Audio modules (Gooseneck)

T M - A G A - C 1 5 -

1 2 3 4

- 1) **A - Audio module**
- 2) **Audio device**
G - Gooseneck microphone
- 3) **Connection**
A - Internal cable (l=500 mm)
- 4) **Housing colour (see details at the end)**
- 5) **Custom version**

» Speakerbox

T M - F S U - C 1 5 -

1 2 3 4 5

- 1) **F - Speakerbox module (InterCom or HandsFree or Freischprecher)**
- 2) **Configuration**
S - standard Tipro bus module
E - external Tipro bus module
M - standard Tipro bus module with integrated USB controller (FMU only)
- 3) **Audio interface**
A - analogue
B - analogue without goose-neck microphone
U - USB
V - USB without goose-neck microphone
- 4) **Housing colour (see details at the end)**
- 5) **Custom version (optional)**

ORDERING CODES

» Mechanical Support Mechanism

T M - S M 5 - C 1 5 -

1 2 3 4 5

1) S - mechanical support mechanism

2) Type

FREE+

M - Inclination mechanism (plastic)

3) Adjustment range

5 - angles from 35 to 50°

7 - angles from 55 to 70°

P - Pole angle adjustment (metal)

3) Adjustment range

1 - 15.0" FREE+ from 15 to 60°

F - Inclination mechanism (metal)

3) Adjustment range

1 - 15.0" FREE+ from 25 to 70°

3 - 15.0" FREE+ configurations (25 - 70°)

5) Custom version

001 : FREE+ 15 + Speakerbox + Chameleon

002 : FREE+ 15 + Speakerbox/Chameleon

BeFREE

B - Inclination mechanism (metal)

3) Adjustment range

0 - from 25 to 70°

5) Custom version

001 : BeFREE + Speakerbox + Chameleon

002 : BeFREE + Speakerbox/Chameleon

P - Pole angle adjustment (metal)

3) Adjustment range

0 - from 15 to 75°

V - VESA adapter (75, 100, 100/200)

3) Reserved

0 - default

4) Housing colour (see below)

5) Custom version (optional)

» Various

T M - V L B - C 1 5 -

1 2 3 4 5

1) V - various

2) Entity

L - Left-hand side cover

R - Right-hand side cover

D - DS 1990A iButton snapped into the angled plastic fob

P - AC/DC adapter

T - cables wrap (tube)

3) Type

B - narrow

4) Colour (see details at the end)

5) Custom version (optional)

» Cables wrap

T M - V T A -

1 2 3 4

1) V - various

2) Unit

T - cables wrap (tube)

3) Dimensions

A - standard

4) Custom version (optional)

» RF ID tags

T M - V D C -

1 2 3 4

1) V - various

2) Entity

D - identification key

3) Type

A - DS 1990A iButton snapped into angled plastic fob

C - RF ID card

K - RF ID key holder

W - RF ID wristband

4) Custom version (optional)

» Colours & Patterns

Housing colours

FREE

C10 - light grey

C15 - black

FREE+

15.0" touchmonitor and front keyboards

C15 - black

C10 - light grey (option)

C5 - aluminium (option; only for upper part of housing)

Alphanumeric customer display

C15C10

C5 - aluminium (option; only for upper part of housing)

C15 - black (option; possible also for upper part of housing)

Note:

All modules can be made in two colours. If a module is made of two colours then the colour option is defined as CxCy (x is the colour of the bottom and middle part, y is the colour of the top part).

