MK100/MKR100 Families

New arm mounting monitor also with remotation up to 100m of video and USB signals

MK100/MKR100 - Highlights

- **Arm mounting monitor**

- **16 mln colors LED backlight TFT LCD displays**
  - 15,6", 18,5", 21,5", 24" (16:9 aspect ratio)

- **Full IP65** protection grade in a slim shape chassis with only 65mm depth

- **Resistive** touchscreen (TF) or **glass P-CAP multi-touch** touchscreen (TFM)

- **Easy mounting** (one person)

- **Easy access** to interfaces and **easy cabling**

- **MKR100: remotation** of DVI-D and USB 2.0 signals **up to 100mt** with **Cat 5e/Cat 6A** cable

- Integrated section (Button Area) dedicated to **emergency stop button, RFID interface, buttons, singla indicators, switches, keys, buzzer** or **front USB ports with easy access for maintenance**
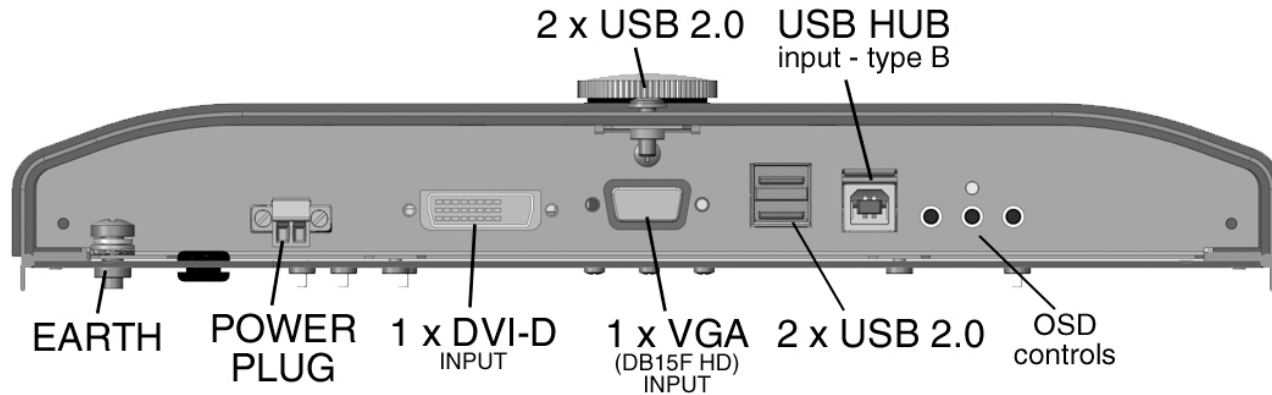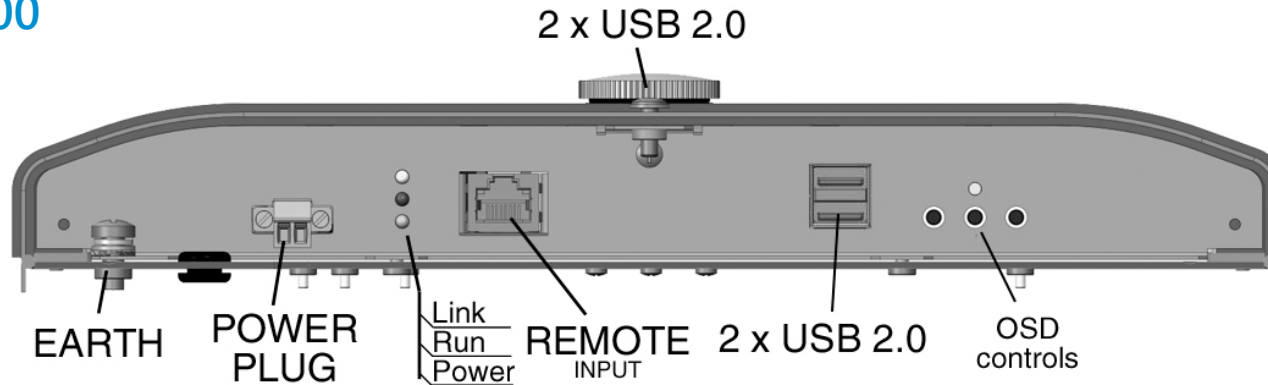
MK100/MKR100 - Features

	MK100-TF	MK100-TFM	MKR100-TF	MKR100-TFM
LED backlight TFT LCD	15.6" – HD / FHD 18.5 – HD / FHD 21.5" – FHD	15.6" – HD / FHD 18.5 – HD / FHD 21.5" – FHD 24" – FHD	15.6" – HD / FHD 18.5 – HD / FHD 21.5" – FHD	15.6" – HD / FHD 18.5 – HD / FHD 21.5" – FHD 24" – FHD
TOUCH-SCREEN	Resistive 5 wires	P-CAP Multitouch, 4 fingers	Resistive 5 wires	P-CAP Multitouch, 4 fingers
T/S CONTROLLER	USB			
FRONT PANEL	True Flat Aluminum	True Flat Aluminium and Glass	True Flat Aluminum	True Flat Aluminium and Glass
PROTECTION GRADE	Full IP65			
REAR COVER	Rear closing cover for connectors access with Ø 19mm hole and IP65 rubber cap for the possible USB devices cabling at customer own charge (optional)			
VIDEO INPUT	1 x VGA 1 x DVI-I		1 x RJ45 RVL input for remotation with Cat 5e / 6A cable	
USB	2 x USB 2.0 (Type-A, rear, protected, IP65) 2 x USB 2.0 (Type-A, rear, inside chassis)			
CASE Installation Arm systems Material Color Handles Keyboard tray	For pole (Bottom) or suspension (Top) arm mounting system Compatible with RITTAL CP 40, ROLEC TARAPLUS , HASEKE ULT KUPPLUNG 48 Alluminum alloy EN AB46400 Anti-scratchable painted - RAL 9006 Aluminium side handles, rectangular section (optional) Aluminium perimetral protection handle, circular section (optional for 21,5") Keyboard tray support (optional for 21,5")			
BUTTONS AREA (Optional)	Illuminated pushbutton, signal indicators, switches and interfaces on the front panel are optional. 1 x Emergency stop button (always hard wired) 1 x RFID (internally connected to USB) max 2 x USB ports Max 8 elements among signal indicators, push buttons, emergency stop button, keys and switches.			
REMOTATION	-		Remotation of DVI-D and USB 2.0 signals up to 100mt with Cat 5e cable	
POWER SUPPLY UNIT	24VDC isolated			
OPERATING TEMPERATURE	0° ÷ +50°C			
APPROVALS	CE, cULus (pending)			

ASEM
DIGITAL AUTOMATION TECHNOLOGIES

MK100/MKR100 - Internal connectors & interfaces

MK100

2 x USB 2.0

USB HUB
input - type B

EARTH POWER PLUG 1 x DVI-D INPUT 1 x VGA (DB15F HD) INPUT 2 x USB 2.0 OSD controls

MKR100

2 x USB 2.0

EARTH POWER PLUG Link Run Power REMOTE INPUT 2 x USB 2.0 OSD controls

ASEM
DIGITAL AUTOMATION TECHNOLOGIES

MKR100 – RVL connection scheme

Cat 5e SF/UTP
Cat 6A S/FTP
up to 100 mt
RVL cable

MKR100
with integrated
remotation

24VDC

DVI-D

USB 2.0
patch cables

TX MODULE

IPC

BM2200 RVL
(internal TX MODULE)
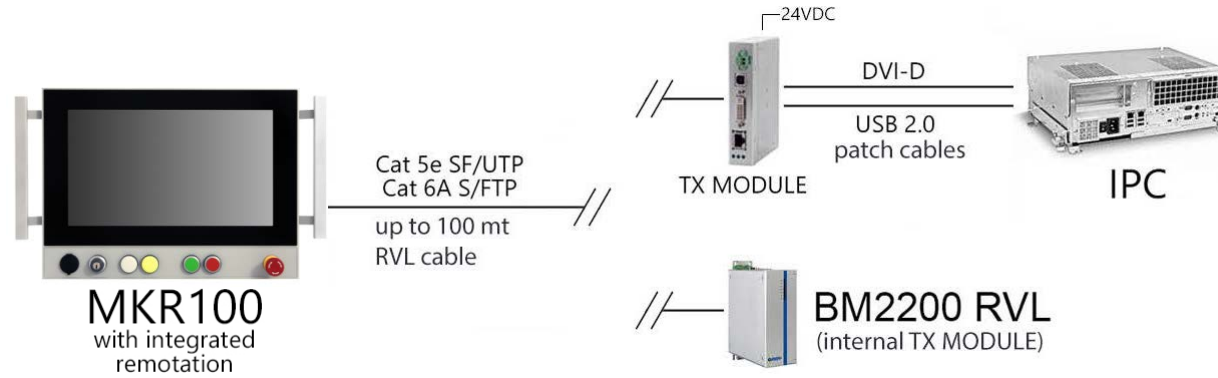
RVL external transmission module (TX)

Link
Run
Power

REMOTE
OUTPUT

DVI-D
INPUT

USB 2.0

DC INPUT
24V DC

EARTH

94.8

20

120

20

26

ø4.5

ø9

4.5

141

14.5

6

133

120

6

ø4.5

ø9

23

36

94

23

6

MK100/MKR100 – Button Area

Button Area

E-Stop   Push-buttons   Signal indicators   Selectors   Key selectors   Interfaces   Buzzer
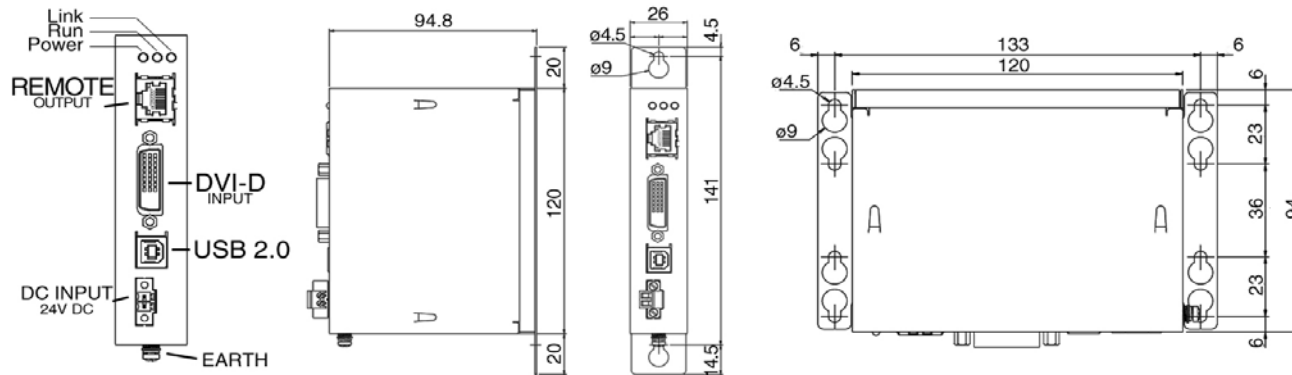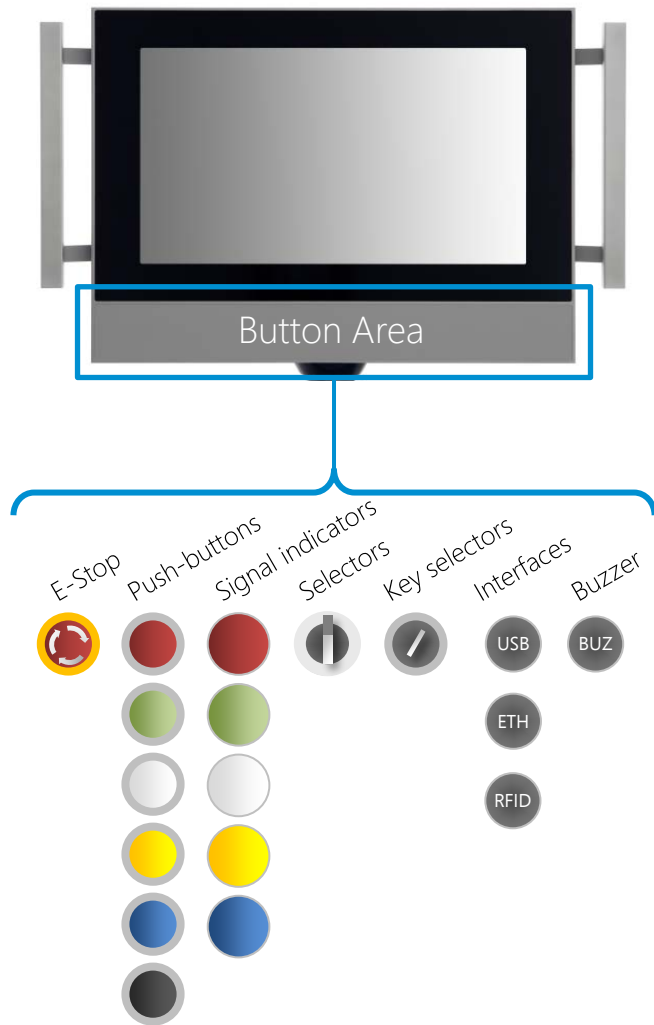
- It's the area in the bottom part of the MK100/MKR100 system front panel.

- It can be freely configured with signal indicators, push-buttons, emergency stop button, selectors and interfaces. Just some constrain in quantity and position are requested.

- The elements are connected to rear terminal blocks or directly to the system.

- Each Button Area configuration is a custom part.

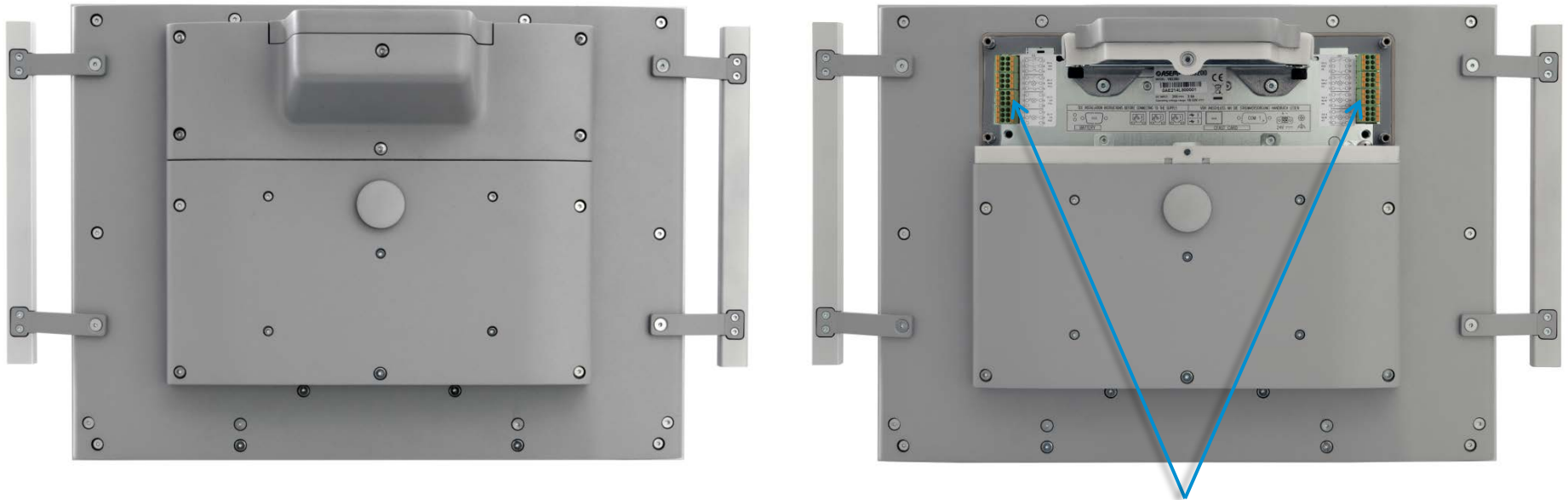*See Button Area documentation for further details*

MK100/MKR100 – Button Area terminal blocks 1/2

Terminal blocks for Button Area elements

For pole arm mounting system

For suspension arm mounting system

Terminal blocks for
Button Area elements

MK100/MKR100 – Installation
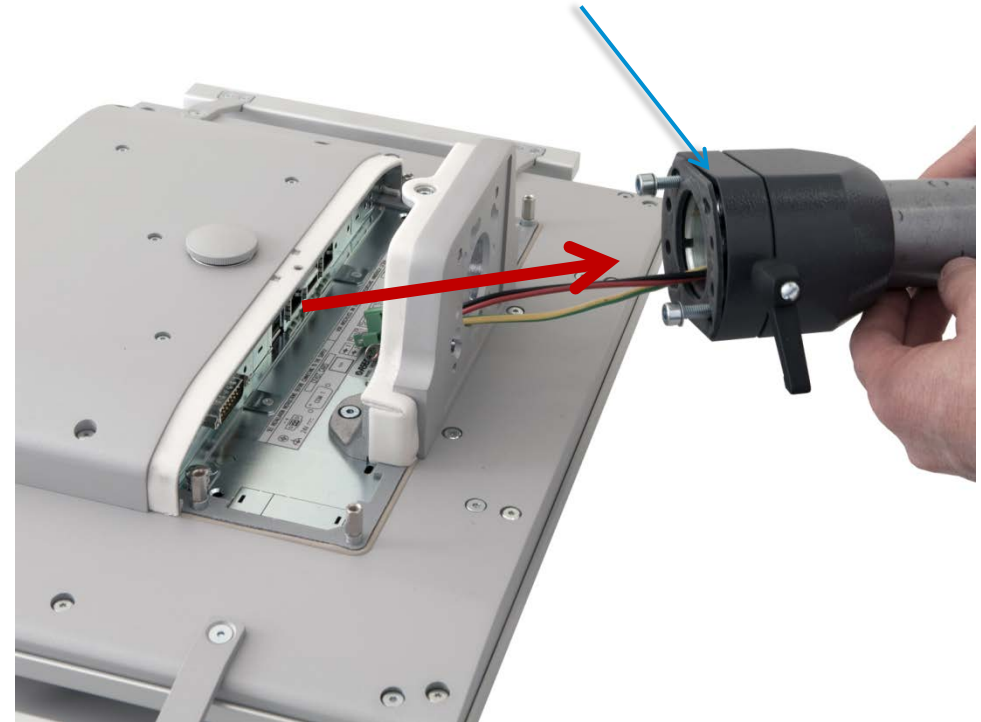
Rittal CP 40 coupler

Open the rear cover
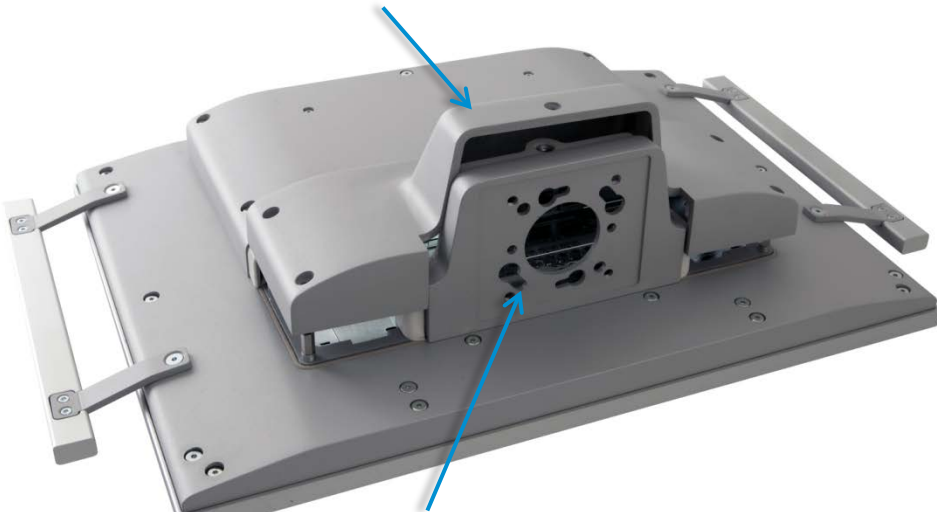
Predisposition for:
   Rittal CP 40 90x71 support (120x65 with adapter plate)
   Rolec TARAPLUS (with adapter plate)
   HASEKE KUPPLUNG 48 (with adapter plate)

MK100/MKR100 – Installation with adapter plate

The adapter plate is placed in the milling of the arm connection side.

The adapter plate leaves open the holes according to the arm systems for which is designed for.

MK100/MKR100 – Side handles (optional)

- Full alluminium side handles
- Rectangular section 20x12mm
- Fixed on the rear with screws
- Available for all the LCD sizes

MK100/MKR100 – Perimetral protection handle (optional)

- Full alluminium perimetral protection handle provide a protection against accidental hits with integrated handling feature
- Circular section Ø20mm
- Fixed on the rear with screws
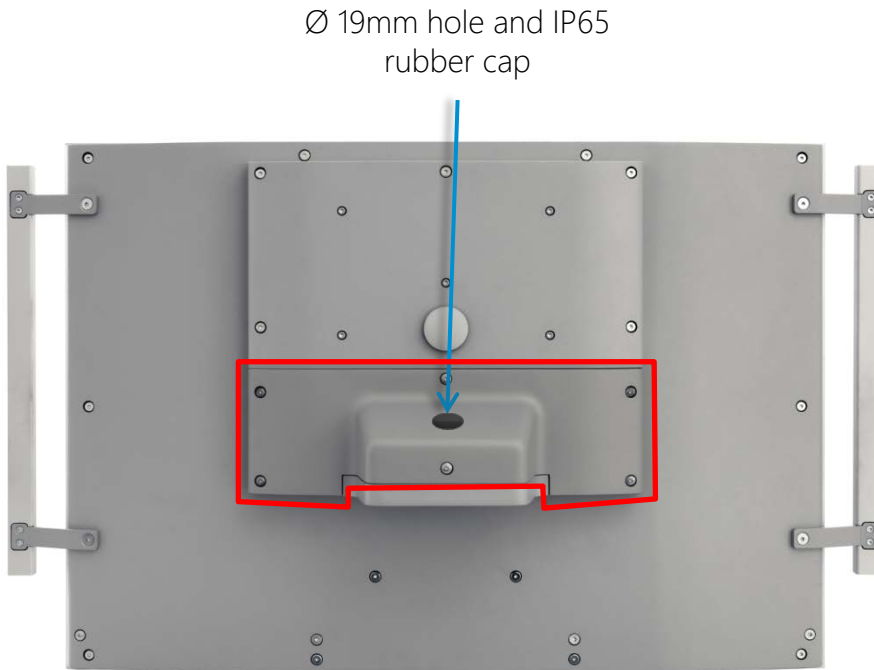- Available for 21,5" LCD

MK100/MKR100 – Keyboard support tray (optional)

- Keyboard support tray for keyboard and mouse
- Use the same fixing point of the handles and can be installed together
- Available for 21,5" LCD

MK100/MKR100 – Rear closing cover for connectors access

Ø 19mm hole and IP65
rubber cap

- The system can be ordered with the rear closing cover with a Ø19mm hole and IP65 rubber cap for the possible USB devices cabling at customer own charge
- Can be used in combination with optional keyboard support tray to connect and use office-like keyboard and mouse.

MK100/MKR100 - Long term availability

7/10years

Product Availability

2016

6/12months — End Of Life procedure

Support & Repairs

+5years

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