


Industrial Automation - Products & Configurations

MK100-TF MONITOR		POWER [W]
Basic configuration	LCD TFT 15,6" (HD) • Touch-Screen with USB interface • Aluminum and polycarbonate TrueFlat front panel • 24V DC isolated power supply • Top arm mounting attachment for RITTAL CP 40 serie 90x71 support • Rear closing cover for connectors access without hole • With Button Area without elements and internal terminals • 12 months warranty	16

DISPLAY & TOUCH-SCREEN	15,6" W LCD TFT 16:9 • 1366x768 (HD), 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/80°:80°	
	15,6" W Touch-Screen 16:9 • 5 wires resistive technology • Controller on board	
	15,6" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 85°:85°/85°:85°	+ 10
	15,6" W Touch-Screen 16:9 • 5 wires resistive technology • Controller on board	
	18,5" W LCD TFT 16:9 • 1366x768 (HD), 16M colors • LED backlight, 300 cd/m2 • Viewing angle L:R/U:L (typ): 75°:75°/70°:70°	+ 11
	18,5" W Touch-Screen • 5 wires resistive technology • Controller on board	
	18,5" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 85°:85°/70°:70°	+ 22
	18,5" W Touch-Screen • 5 wires resistive technology • Controller on board	
21,5" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 300 cd/m2 • Viewing angle L:R/U:L (typ): 89°:89°/89°:89°	+ 21	
21,5" W Touch-Screen 16:9 • 5 wires resistive technology • Controller on board		

MK100-TFM MONITOR		POWER [W]
Basic configuration	LCD TFT 15,6" (HD) • Touch-Screen Multitouch • Aluminum and glass TrueFlat front panel • 24V DC isolated power supply • Top arm mounting attachment for RITTAL CP-S serie 90x71 support • Rear closing cover for connectors access without hole • With Button Area without elements and internal terminals • 12 months warranty	16

DISPLAY & TOUCH-SCREEN	15,6" W LCD TFT 16:9 • 1366x768 (HD), 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/80°:80°	
	15,6" W Touch-Screen • P-CAP projected capacitive multitouch, 4 fingers	
	15,6" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 85°:85°/85°:85°	+ 10
	15,6" W Touch-Screen • P-CAP projected capacitive multitouch, 4 fingers	
	18,5" W LCD TFT 16:9 • 1366x768 (HD), 16M colors • LED backlight, 300 cd/m2 • Viewing angle L:R/U:L (typ): 75°:75°/70°:70°	+ 11
	18,5" W Touch-Screen • P-CAP projected capacitive multitouch, 4 fingers	
	18,5" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 85°:85°/70°:70°	+ 22
	18,5" W Touch-Screen • P-CAP projected capacitive multitouch, 4 fingers	
	21,5" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 300 cd/m2 • Viewing angle L:R/U:L (typ): 89°:89°/89°:89°	+ 21
	21,5" W Touch-Screen • P-CAP projected capacitive multitouch, 4 fingers	
24" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 300 cd/m2 • Viewing angle L:R/U:L (typ): 89°:89°/89°:89°	+ 25	
24" W Touch-Screen • P-CAP projected capacitive multitouch, 4 fingers		

COMMON VARIANTS		POWER [W]
MECHANICAL PREDISPOSITION	Top arm mounting attachment predisposition for RITTAL CP 40 serie 90x71 support	
	Bottom arm mounting attachment predisposition for RITTAL CP 40 serie 90x71 support	-
REAR COVER	Rear closing cover for connectors access without hole • IP65 protection grade	
	Rear closing cover for connectors access with Ø 19mm hole and IP65 rubber cap for the possible USB devices cabling at customer own charge (for keyboard and mouse)	-
BUTTON AREA	Button Area without elements and internal terminals	-
	Customized Button Area with interfaces, signal indicators, pushbuttons, emergency stop pushbutton and selector switches kit with wired terminals	-

OPTIONS		POWER [W]
CABLES for REMOTATION STATIC LAYING	Calbes kit 7,5 mt VGA (VGA 10 mt / USB 7,5 mt) > note 2	-
	Calbes kit 7,5 mt DVI (DVI 10 mt / USB 7,5 mt) > note 2	-
	Calbes kit 10 mt VGA (VGA 10 mt / USB 11 mt amplified) > note 2	-
	Calbes kit 10 mt DVI (DVI 10 mt / USB 11 mt amplified) > note 2	-
MECHANICAL ADAPTER PLATES	Mechanical adapter plate for ROLEC system TARAPLUS serie	-
	Mechanical adapter plate for RITTAL system CP 40 serie 120x65 support	-
	Mechanical adapter plate for HASEKE system ULT KUPPLUNG 48 serie	-
HANDLES > note 3	LCD 15,6" Aluminum side handles • rectangular section • left and right sides	-
	LCD 18,5" Aluminum side handles • rectangular section • left and right sides	-
	LCD 21,5" Aluminum perimetral protection handle • circular section • left, right and bottom sides	-
	Aluminum side handles • rectangular section • left and right sides	-
LCD 24" Aluminum side handles • rectangular section • left and right sides	-	
KEYBOARD TRAY	Keyboard support tray kit for LCD 21,5"	-
WARRANTY EXTENSION	Warranty extension to 18 months on basic system and its variants	
	Warranty extension to 24 months on basic system and its variants	
	Warranty extension to 36 months on basic system and its variants	

NOTES	
For power consumption calculation we recommend to read the tips on pg. 4. The power values does not include the absorbed power of USB devices connected to the ports.	
1:	For the customized Button Area elements list, see pg.201 The button area is delivered assembled and internally cabled. Independently from the LCD size it can be installed max 8 elements among signal indicators, pushbuttons, selectors, key switches and the emergency stop pushbutton.
2:	With kit cables 7,5mt, USB 1.1 standard is ensured With kit cables 11mt, USB 2.0 standard is ensured; USB cable has an amplified signal repeater in the middle; Repeater has dimensions of (mm) 32x17x90; distance of the repeater from the edges is 5mt and 6mt
3:	Side handles and perimetral handle cannot be installed together



TECHNICAL SPECIFICATIONS		
Case	Installation	For pole or suspension arm mounting systems compatible with RITTAL (CP 40) / ROLEC (TARAPLUS) / HASEKE (ULT KUPPLUNG 48)
	material	Aluminum alloy EN AB46400 anti-scratchable painted
	color	RAL 9006
Overall dimensions & weight	See details on the related section	
Front panel	LCD TF	Aluminum TrueFlat • Polycarbonate Pantone Black C color
	LCD TFM	Aluminum and tempered glass TrueFlat • Black color
	Button Area	Aluminum TrueFlat • Polycarbonate Pantone Cool Grey 4C color
Touchscreen	TF	5 wires resistive technology • overlaminated with OCA (Optical Clear Adhesive) • on board controller
	TFM	Projective capacitive multitouch, 4 fingers • overlaminated with OCA (Optical Clear Adhesive)
Protection grade	Full IP65	
Power supply	Input voltage 18+36V DC • isolated	
Rear external access interfaces	2 x USB 2.0 (Type A, protected, IP65)	
Rear internal access interfaces	1 x VGA (DB15F) • 1 x DVI-D Single Link • 2 x USB 2.0 (Type A) • 1 x USB 2.0 (HUB input, Type B)	
Environmental specifications	Operating temperature: 0° + +50°C; Storage temperature: -5° + +60°C; Humidity: 80% (non-condensing)	
Approvals	CE (EN 55022, EN 61000-3-2/3, EN 55024, EN 60950-1)	
Standard warranty	12 months • Warranty management by ASEM headquarters	

