



MKR100

Industrial Automation - Products & Configurations

MKR100-TF MONITOR		POWER [W]
Basic configuration	LCD TFT 15,6" (HD) • Touch-Screen • Aluminum and polycarbonate TrueFlat front panel • Remote Video Link integrated (RX) • Without remotation module (TX) for DVI-D and USB 2.0 signals with 24V DC power supply and without remotation cable • 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/m ² • 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/m ² • Viewing angle L:R/U:L (typ): 85°:85°/85°:85° 15,6" W Touch-Screen 16:9 • 5 wires resistive technology • Controller on board	+ 10
	18,5" W LCD TFT 16:9 • 1366x768 (HD), 16M colors • LED backlight, 300 cd/m ² • Viewing angle L:R/U:L (typ): 75°:75°/70°:70° 18,5" W Touch-Screen • 5 wires resistive technology • Controller on board	+ 11
	18,5" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 400 cd/m ² • Viewing angle L:R/U:L (typ): 85°:85°/70°:70° 18,5" W Touch-Screen • 5 wires resistive technology • Controller on board	+ 22
	21,5" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 300 cd/m ² • Viewing angle L:R/U:L (typ): 89°:89°/89°:89° 21,5" W Touch-Screen 16:9 • 5 wires resistive technology • Controller on board	+ 21
MKR100-TFM MONITOR		POWER [W]
Basic configuration	LCD TFT 15,6" (HD) • Touch-Screen Multitouch • Aluminum and glass TrueFlat front panel • Remote Video Link integrated (RX) • Without remotation module (TX) for DVI-D and USB 2.0 signals with 24V DC power supply and without remotation cable • 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/m ² • 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/m ² • Viewing angle L:R/U:L (typ): 85°:85°/85°:85° 15,6" W Touch-Screen • P-CAP projected capacitive multitouch, 4 fingers	+ 10
	18,5" W LCD TFT 16:9 • 1366x768 (HD), 16M colors • LED backlight, 300 cd/m ² • Viewing angle L:R/U:L (typ): 75°:75°/70°:70° 18,5" W Touch-Screen • P-CAP projected capacitive multitouch, 4 fingers	+ 11
	18,5" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 400 cd/m ² • Viewing angle L:R/U:L (typ): 85°:85°/70°:70° 18,5" W Touch-Screen • P-CAP projected capacitive multitouch, 4 fingers	+ 22
	21,5" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 300 cd/m ² • Viewing angle L:R/U:L (typ): 89°:89°/89°:89° 21,5" W Touch-Screen • P-CAP projected capacitive multitouch, 4 fingers	+ 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/m ² • Viewing angle L:R/U:L (typ): 89°:89°/89°:89° 24" W Touch-Screen • P-CAP projected capacitive multitouch, 4 fingers	+ 25
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	-
Remote Video Link CABLES		POWER [W]
RVL PATCH CABLES	Cables kit 0,9 mt (DVI-D 1 mt / USB 2.0 0,9 mt)	-
"FIXED LAYING" RVL CABLES	Cable 15 mt • Cat 5e SF/UTP type • for fixed laying • UL • water blue RAL 5021 • minimum bending radius 50,4mm > note 2	-
	Cable 20 mt • Cat 5e SF/UTP type • for fixed laying • UL • water blue RAL 5021 • minimum bending radius 50,4mm > note 2	-
	Cable 30 mt • Cat 5e SF/UTP type • for fixed laying • UL • water blue RAL 5021 • minimum bending radius 50,4mm > note 2	-
	Cable 50 mt • Cat 5e SF/UTP type • for fixed laying • UL • water blue RAL 5021 • minimum bending radius 50,4mm > note 2	-
	Cable 100 mt • Cat 6A S/FTP type • for fixed laying • UL • green RAL 6018 • minimum bending radius 90mm > note 3	-
"NOT GUIDED FLEX LAYING" RVL CABLES	Cable 15 mt • Cat 5e SF/UTP type • for not guided flex laying • UL • water blue RAL 5021 • minimum bending radius 94,5mm > note 2	-
	Cable 20 mt • Cat 5e SF/UTP type • for not guided flex laying • UL • water blue RAL 5021 • minimum bending radius 94,5mm > note 2	-
	Cable 25 mt • Cat 5e SF/UTP type • for not guided flex laying • UL • water blue RAL 5021 • minimum bending radius 94,5mm > note 2	-
	Cable 30 mt • Cat 5e SF/UTP type • for not guided flex laying • UL • water blue RAL 5021 • minimum bending radius 94,5mm > note 2	-
	Cable 40 mt • Cat 5e SF/UTP type • for not guided flex laying • UL • water blue RAL 5021 • minimum bending radius 94,5mm > note 2	-
Cable 50 mt • Cat 5e SF/UTP type • for not guided flex laying • UL • water blue RAL 5021 • minimum bending radius 94,5mm > note 2	-	
OPTIONS		POWER [W]
REMOTE VIDEO LINK	Transmitter module for DVI-D and USB 2.0 signals • 24V DC power supply • For wall (standard and book) and DIN guide (book) mounting > note 4	+ 4
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 5	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	-
	LCD 21,5" 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: SF/UTP (Shielded Foil Unshielded Twisted Pair) is for Ethernet cable and means that the cable has 'copper braid and foil screening as overall screening'.		
3: S/FTP (Shielded or Foil Twisted Pair) is for Ethernet cable and means that the cable has 'copper braid as overall screening and pair screening with aluminium compound foil'.		
4: The transmitter module has to be bought if the monitor is not used with an ASEM system with the integrated RVL (TX).		
5: Side handles and perimetral handle cannot be installed together		



TECHNICAL SPECIFICATIONS		
Case	Installation	For pole or suspension arm mounting systems compatible with RITTAL (CPS) / 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 RJ45 (remotation input) • 2 x USB 2.0 (Type A)	
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	

DIMENSIONS (mm)

FRONT VIEW

REAR VIEW

SIDE VIEW Bottom mounting

SIDE VIEW Top mounting

LCD	A	B	C	D	E	F	Weight (Kg)
15,6"	433	320	240	13,5	30	54	8,0
18,5"	503	358	276	14,5	36	91,5	10,0
21,5"	582	403	314	18	40	134	12,0
24"	640	439	347	19,4	40	175	14,0

CONNECTORS VIEW

REMOTATION MODULE (TX)

