



## Industrial Automation - Products & Configurations

MHR100 MONITOR		POWER [W]
Basic configuration	LCD TFT 8,4" • touch-screen with USB I/F • aluminum front panel • integrated remotation (RX) • remotation module (TX) for DVI-D and USB 2.0 signals • Without remotation cable • 24V DC isolated power supply • without cables • 12 months warranty	16

DISPLAY	GFG > note 1		
	8,4" LCD TFT 4:3 • SVGA, 800x600, 16M colors • backlight LED, 600 cd/m2 • Viewing angle L:R/U:L (typ): 75°:75°/60°:70°		
	10,4" LCD TFT 4:3 • SVGA, 800x600, 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/70°:70°		+ 0
	12,1" LCD TFT 4:3 • SVGA, 800x600, 16M colors • backlight LED, 500 cd/m2 • Viewing angle L:R/U:L (typ.): 80°:80°/80°:60°		+ 5
	12,1" LCD TFT 4:3 • XGA, 1024x768, 16M colors • backlight LED, 600 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/70°:70°		+ 10
	12,1" W LCD TFT 16:10 • WXVGA, 1280x800, 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 88°:88°/88°:88°		+ 7
	15" LCD TFT 4:3 • XGA, 1024x768, 16M colors • backlight LED, 500 cd/m2 • Viewing angle L:R/U:L (typ.): 85°:85°/85°:85°		+ 13
	15,6" W LCD TFT 16:9 • 1366x768 (HD), 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 85°:85°/80°:80°		+ 8
	17" LCD TFT 5:4 • SXGA, 1280x1024, 16M colors • backlight LED, 350 cd/m2 • Viewing angle L:R/U:L (typ): 85°:85°/80°:80°		+ 22
	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°		+ 18
	19" LCD TFT 5:4 MVA • SXGA 1280x1024, 16M colors • backlight LED, 300 cd/m2 • Viewing angle L:R/U:L (typ): 89°:89°/89°:89°		+ 33
21,5" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • backlight LED, 300 cd/m2 • Viewing angle L+R/U+L (typ): 89°:89°/89°:89°		+ 28	
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°		+ 33	

TOUCH-SCREEN	GFG > note 1		
	No Touch-Screen	-	+ 0
	8,4" Touch-Screen • 5 wires resistive technology • USB I/F	no	
	10,4" Touch-Screen • 5 wires resistive technology • USB I/F	no	+ 0
	12,1" Touch-Screen • 5 wires resistive technology • USB I/F	yes	+ 0
	12,1" W Touch-Screen 16:10 • 5 wires resistive technology • USB I/F	no	+ 0
	15" Touch-Screen • 5 wires resistive technology • USB I/F	yes	+ 0
	15,6" W Touch-Screen • 5 wires resistive technology • USB I/F	no	+ 0
	17" Touch-Screen • 5 wires resistive technology • USB I/F	yes	+ 0
	18,5" W Touch-Screen • 5 wires resistive technology • USB I/F	no	+ 0
	19" Touch-Screen • 5 wires resistive technology • USB I/F	no	+ 0
21,5" W Touch-Screen • 5 wires resistive technology • USB I/F	no	+ 0	
24" W Touch-Screen • 5 wires resistive technology • USB I/F	no	+ 0	

REMOTATION MODULE (TX)	Remotation module (TX) for DVI-D and USB 2.0 signals • 24V DC power supply • For wall (standard and book) and DIN guide (book) mounting	+ 4
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POWER SUPPLY	Input voltage 24V DC • isolated	
	Input voltage 110/230V AC • autoranging	+ 0

### CABLES for REMOTATION > note 2

PATCH CABLES for REMOTATION	Cables kit 0,9 mt (DVI-D 1 mt / USB 2.0 0,9 mt)	-
	CABLES for REMOTATION STATIC LAYING	Cable 15 mt • Cat 5e SF/UTP type • for static laying • UL certificate > note 3
Cable 20 mt • Cat 5e SF/UTP type • for static laying • UL certificate > note 3		-
Cable 30 mt • Cat 5e SF/UTP type • for static laying • UL certificate > note 3		-
Cable 50 mt • Cat 5e SF/UTP type • for static laying • UL certificate > note 3		-
Cable 100 mt • Cat 5e SF/UTP type • for static laying • UL certificate > note 3		-

### OPTIONS

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.
<b>1:</b> Glass Film Glass (GFG) touch-screen option: see pg.210 for the differences with standard touch-screen configuration
<b>2:</b> Customer can buy patch and remotation cables from ASEM or supply it by other suppliers.
<b>3:</b> SF/UTP (Shielded Foil Unshielded Twisted Pair) is for Ethernet cable and means that the cable is shielded and made by twisted pair copper wires.



TECHNICAL SPECIFICATIONS	
Case	Panel mount
Overall dimensions & weight	See details on the related section
Front panel	Aluminum • ASEM logo sticker
Touchscreen	5 wires resistive technology • on board controller • USB I/F
Frontal protection	IP66
Power supply	DC Input voltage 18+36V DC • isolated
	AC Input voltage 90+264 V AC • isolated • Autoranging
Frontal access interfaces	1 x USB 2.0 (Type-A)
Rear access interfaces	1 x RJ45 (remotation input) • 2 x USB 2.0 (Type A)
Environmental specifications	Operating temperature: 0° ÷ +50°C, 0° ÷ +45°C with LCD 24" • Storage temperature: -5° ÷ +60°C • Humidity: 80% (non-condensing)
Approvals	CE (EN 55022, EN 61000-3-2/3, EN 55024, EN 60950-1) • cULus LISTED (UL508) pending
Standard warranty	12 months • Warranty management by ASEM headquarters

DIMENSIONS (mm)									
	FRONT VIEW		FRONT PANEL CUT OUT				SIDE VIEW		
	A	B	C	D	E	F	G	H	
<b>LCD TFT</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>Weight (kg)</b>
8,4"	250	210	230	190	10	45	19	5	3,1
10,4"	300	245	280	225	10	45	19	5	3,9
12,1"	335	270	315	250	10	45	19	5	4,6
12,1" W	331	234	313	216	9	45	21	5	tbd
15"	390	315	370	295	10	45	19	6	5,3
15,6"	430	275	410	255	10	45	19	6	6,0
17"	455	355	435	335	10	45	21	6	6,7
18,5"	500	320	480	300	10	45	19	6	7,3
19"	490	388	470	368	10	45	21	6	7,3
21,5"	579	367	559	347	10	45	23	6	8,4
24"	640	402	620	382	10	45	21,3	8	tbd

