



- MANTA Panel mount device 24" as KVM solution
- CAT or fiber optic single mode / multi-mode
- For Zones 1, 21 / 2, 22 / Class I, Div 2 or safe areas
- ATEX, IECEx, EAC, NEC, CEC, PESO, KCS, CNEx, CCC, RCM and DNV / GL
- Temperature range: -20 °C ... +60 °C

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MY R. STAHL MANTAKVMPMA

The MANTA KVM systems have been designed as classic KVM solutions for visualisation and operation of remote devices - with worldwide certifications for Zones 1, 2, 21, 22 and Division 2. They are available as panel-mount modules (PM) or operator stations with enclosure (OS). Data is transmitted via copper cable or FO (CAT <100 m), single mode <10 km, multi-mode <550 m). Their brilliant 24" widescreen displays with a resolution of 1920 x 1080 pixels (format 16:9) are available with or without touch screen. The stainless steel enclosures (SS304 or SS316L) are available with a front opening or in cleanroom-compliant design and with different mounting options. Accessories include country-specific keyboards, pointer instruments and RFID and barcode readers.

Selection Table				
HMI type	Panel-mount device 24" KVM system			
Product description	Interface medium	Data cable length	Art. No.	Weight
Product Type	Interface medium	Data cable length	Art. No.	Weight
PM ET-677-DVI3-CAT	CAT7 Data transmission	Max. 150 m		-
PM ET-677-DVI3-MM	Multi-mode optical cable	max. 550 m, with 50 µm FO cable max. 300 m, with 62.5 µm FO cable		-
PM ET-677-DVI3-SM	Single mode optical cable	max. 10 km		-
PM IT-677-DVI3-CAT	CAT5 Data transmission	Max. 150 m		-
PM IT-677-DVI3-MM	Multi-mode optical cable	max. 550 m, with 50 µm FO cable max. 300 m, with 62.5 µm FO cable		-
PM IT-677-DVI3-SM	Single mode optical cable	max. 10 km		-
PM MT-677-DVI3-CAT	CAT7 Data transmission	Max. 150 m		-
PM MT-677-DVI3-MM	Multi-mode optical cable	max. 550 m, with 50 µm FO cable max. 300 m, with 62.5 µm FO cable		-
PM MT-677-DVI3-SM	Single mode optical cable	max. 10 km		-

Technical Data			
Variant	PM ET-677-DVI3-CAT	PM MT-677-DVI3-CAT	PM IT-677-DVI3-CAT
Explosion Protection			
Application range (zones)	1 2 21 22	2 22	Non-Ex
Application range (divisions)	Class I, Division 2		
ATEX certification	BVS 11 ATEX E 102 X	BVS 12 ATEX E 033 X	
IECEx certification	IECEx BVS 11.0075X	IECEx BVS 14.0034X	

Technical Data			
Variant	PM ET-677-DVI3-CAT	PM MT-677-DVI3-CAT	PM IT-677-DVI3-CAT
Explosion Protection			
Scope	EU (CE / ATEX) International (IECEX) USA (NEC) Canada (CEC) China (CCC / CNEEx) Korea (KCS) India (PESO) Australia (RCM)	EU (CE / ATEX) International (IECEX) China (CCC / CNEEx) Australia (RCM)	
Electrical Data			
Rated operational voltage AC	230 V	230 V	230 V
Rated operational voltage DC	24 V	24 V	24 V
Ambient Conditions			
Ambient temperature operation	-20 °C ... +60 °C	-20 °C ... +60 °C	-20 °C ... +60 °C
Storage temperature	-30 °C ... +70 °C	-30 °C ... +70 °C	-30 °C ... +70 °C
Display			
Display version	TFT Color display	TFT Color display	TFT Color display
Total pixels	1920 x 1080	1920 x 1080	1920 x 1080
Display dimensions	16:9	16:9	16:9
Display brightness	300 cd/m ²	300 cd/m ²	300 cd/m ²
Display contrast	1000:1	1000:1	1000:1
Backlight	LED Technology	LED Technology	LED Technology
Mechanical Data			
Mounting position	vertical or horizontal	vertical or horizontal	vertical or horizontal
Material front	Aluminium	Aluminium	Aluminium
Material back	Steel	Steel	Steel
IP enclosure front	IP66	IP66	IP66
IP enclosure back	IP65	IP66	IP20
Mounting / Installation			
Mounting option	Front installation	Front installation	Front installation

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

