

A photograph of industrial machinery, likely a conveyor belt system, with a large, silver-framed multi-touch monitor mounted on the side. The background is a mix of yellow and purple hues.

Kingdy Industrial (Multi) Touch Monitor

A full range of solutions for a wide variety of industrial criteria including extreme temperature resistance or sunlight readable



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Challenges

For PC-based automation system deployers preferring traditional standalone or client-server architecture for technical or economic reasons, an industrial rated touch monitor is an essential device to link up operators with the system. Radically different from commercial or residential applications, industrial environments are usually harsh, with hazards that can range from extreme temperatures, ambient light disturbance, water & dust intrusion, corrosion and oily & greasy contamination. The resistance to one or some of the above-mentioned factors should not be ignored when assessing whether a monitor can well work with the system.

Solutions

In response to different environmental conditions, Kingdy develops a full range of solutions featuring one or some of the following characteristics and allowing entrepreneurs to easily select and deploy an appropriate monitor to address the challenge(s) they are facing.

- Wide operating temperature range
- Sunlight readability
- Full IP65 water-/dust-proofing
- 19" rack mountability

Collections

Category	Series	Touch		Condition				Panel Size									
		Single	Multi	Std.	Sunlight Readable	Wide Temp.	Wide Temp. Sunlight Readable	4:3						16:9			
								8.4"	10.4"	12.1"	15"	17"	19"	15.6"	17.3"	21.5"	
Aluminum Bezel	SM	☉		★				V	V	V	V	V	V	V	V	V	V
	HM	☉			★				V	V	V	V	V				V
	DM	☉				★			V	V	V	V	V				
	LM	☉					★		V	V	V	V					
	TM		☉	★					V	V	V	V	V				V
	UM		☉		★				V	V	V	V	V				V
	EM		☉			★			V	V	V	V	V				
	VM		☉				★		V	V	V	V					
19" Rack mount Aluminum Bezel	RM	☉		★				V	V	V	V	V					
	GM	☉			★			V	V	V	V	V					
	FM	☉				★		V	V	V	V	V					
	BM	☉					★	V	V	V	V						
	AM		☉	★				V	V	V	V	V					
	CM		☉		★			V	V	V	V	V					
	KM		☉			★		V	V	V	V	V					
	QM		☉				★	V	V	V	V						
Full IP65 Stainless Steel Chassis	SA	☉		★							V	V	V				V
	HA	☉			★						V	V	V				V
	DA	☉				★					V	V	V				
	LA	☉					★				V	V					
	TA		☉	★							V	V	V				V
	UA		☉		★						V	V	V				V
	EA		☉			★					V	V	V				
	VA		☉				★				V	V					

SM Series Standard Monitor



Touch Function



Waterproof Design



Housing Design



OSD Controller



IP65 front bezel,
Waterproof gasket (optional)

Aluminum front bezel + metal chassis

Rear side

Power Supply	DC in 12V external power adapter (DC in 19V ~ 36V optional for 17", 19" & 21.5")
I/O Ports (Default)	1 x VGA, 1 x DVI, 1 x USB or RS232 for resistive touch screen, 1 x Power terminal block (15" & 21.5")
I/O Ports (Optional)	1 x HDMI (15" ~ 21.5")
Operation Temperature	0°C ~ 45°C
Storage Temperature	-10°C ~ 70°C
Relative Humidity	0% ~ 95% non-condensing
OS Support	Win 7 Pro, Embedded 7, Win XP Pro, Embedded XP
Installation	Clip mount, Panel mount & VESA mount 75 x 75 mm (8.4" ~ 12.1") / 100 x 100 mm (15" ~ 21.5")
Optional Items	Waterproof gasket, None touch screen, Open frame, Stainless front bezel, Mounting clips

Model Name	12V	SM-ZJR08RF	SM-ZJR10RF	SM-ZJS10RF	SM-ZJR12RF	SM-ZJS12RF	SM-ZJL15RF
	19~36V	-	-	-	-	-	-
Display	Size / Aspect Ratio	8.4" TFT (4:3)	10.4" TFT (4:3)	10.4" TFT (4:3)	12.1" TFT (4:3)	12.1" TFT (4:3)	15" TFT (4:3)
	Backlight	CCFL	CCFL	LED	CCFL	LED	LED
	Resolution	800 x 600	800 x 600	1024 x 768	800 x 600	1024 x 768	1024 x 768
	Colors	16.2 M	16.2 M	16.2 M	16.2 M	16.2 M	16.2 M
	Luminance (cd/m ²)	450	230	350	400	500	400
	Contrast Ratio	600:1	500:1	1200:1	600:1	700:1	700:1
	Viewing Angle (H/V°)	150/150	140/120	176/176	160/120	160/160	160/160
	MTBF (hrs)	50,000	50,000	50,000	50,000	50,000	50,000
Touch Screen	5-wire resistive	5-wire resistive	5-wire resistive	5-wire resistive	5-wire resistive	5-wire resistive	
Dimension (W x H x D, mm)		270.7 x 207 x 71	302 x 224 x 70.2	302 x 224 x 70.2	349.4x263.9x70	349.4x263.9x70	400.9x303.7x71
Weight (kg)		3	4	4	5.5	5.5	6.5
OSD Controller		Yes (rear)	Yes (rear)	Yes (rear)	Yes (rear)	Yes (rear)	Yes (rear)

Model Name	12V	SM-ZJD15RF	SM-ZJL17RF	SM-ZJD17RF	SM-ZJL19RF	SM-ZJD21RF
	19~36V	-	SM-ZJL17RW	-	SM-ZJL19RW	SM-ZJD21RW
Display	Size / Aspect Ratio	15.6" TFT (16:9)	17" TFT (4:3)	17.3" TFT (16:9)	19" TFT (4:3)	21.5" TFT (16:9)
	Backlight	LED	LED	LED	LED	LED
	Resolution	1366 x 768	1280 x 1024	1920 x 1080	1280 x 1024	1920 x 1080
	Colors	16.7 M	16.7 M	16.7 M	16.7 M	16.7 M
	Luminance (cd/m ²)	300	350	400	250	300
	Contrast Ratio	500:1	1000:1	600:1	1000:1	5000:1
	Viewing Angle (H/V°)	170/160	140/170	160/140	170/160	178/178
	MTBF (hrs)	50,000	50,000	50,000	50,000	50,000
Touch Screen	5-wire resistive	5-wire resistive	5-wire resistive	5-wire resistive	5-wire resistive	
Dimension (W x H x D, mm)		454 x 272.4 x 74.3	453.5 x 351.9 x 71	TBD	487 x 376.8 x 75	581.3 x 337.2 x 73.6
Weight (kg)		7	8.5	8.5	9	10
OSD Controller		Yes (rear)	Yes (rear)	Yes (rear)	Yes (rear)	Yes (rear)



Inspiring a reliable solution

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