

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

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 | | | | | |

SA Series Full IP65 Monitor



Touch Function



Waterproof Design



Housing Design



OSD Controller



IP65 chassis, IP65 connectors,
IP65 power adapter (alternative)

Stainless steel

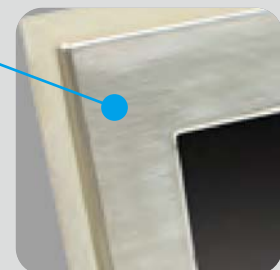
Rear side

| | |
|-----------------------|--|
| Power Supply | Standard / IP65-rated DC in 12V (default) or DC in 19V ~ 36V (optional) external power adapter |
| I/O Ports (Default) | 1 x VGA, 1 x USB or RS232 for resistive touch screen |
| 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 | VESA mount 100 x 100 mm |
| Optional Items | None touch screen |

| Model Name | 12V | SA-ZJL15RF | SA-ZJL17RF | SA-ZJL19RF | SA-ZJD21RF |
|---------------------------|--------------------------------|------------------|------------------|------------------|------------------|
| | 19~36V | SA-ZJL15RW | SA-ZJL17RW | SA-ZJL19RW | SA-ZJD19RW |
| Display | Size / Aspect Ratio | 15" TFT (4:3) | 17" TFT (4:3) | 19" TFT (4:3) | 21.5" TFT (16:9) |
| | Backlight | LED | LED | LED | LED |
| | Resolution | 1024 x 768 | 1280 x 1024 | 1280 x 1024 | 1920 x 1080 |
| | Colors | 16.2 M | 16.7 M | 16.7 M | 16.7 M |
| | Luminance (cd/m ²) | 400 | 350 | 250 | 300 |
| | Contrast Ratio | 700:1 | 1000:1 | 1000:1 | 5000:1 |
| | Viewing Angle (H/V°) | 160/160 | 140/170 | 170/160 | 178/178 |
| | MTBF (hrs) | 50,000 | 50,000 | 50,000 | 50,000 |
| Touch Screen | 5-wire resistive | 5-wire resistive | 5-wire resistive | 5-wire resistive | |
| Dimension (W x H x D, mm) | | 380 x 290 x 67 | 425 x 361 x 68 | 455 x 367.6 x 67 | TBD |
| Weight (kg) | | 8 | 9 | 10 | 11 |
| I/O port's position | | Bottom | Rear | Rear | Rear |
| OSD Controller | | Yes (rear) | Yes (rear) | Yes (rear) | Yes (rear) |

Highlights

IP65 compliant 6-sided sealed stainless steel chassis
to prevent liquid / dust from getting into the housing and
to resist acid- / alkali-based cleaning agents from corroding the device



SA / HA / DA / LA Series



Inspiring a reliable solution

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