



DW Series: Wide Temperature Full IP65 Touch Panel PC

360° protection against intrusion of dust, water, oil, or corrosive materials & good resistance to extreme temperatures



Features

- IP65 compliant 6-sided stainless steel chassis
- IP65 waterproof stainless steel connectors
- IP65 rated external power adapter (alternative)
- Wide operating temperature range from -20°C to 55°C



DW Series Wide Temperature Full IP65 Touch Panel PC

Challenges

Automation systems installed in some applications, such as boiled or frozen food processing / packaging / warehousing, may risk being exposed to both different levels of contamination and extreme temperatures. To comply with more stringent hygiene and safety regulations, water jets and cleaning agents are often sprinkled over the machines to keep clean and hygienic. Water resistance is thus an importance design to prevent liquids from permeating into the interior. Resistance to high or low ambient temperature is moreover, another considerable requirement for continuous operation without fear of shutdown.



Waterproof



Dustproof



Anti-oil



Corrosion-proof



Heat/cold-resistant

Solutions

Kingdy's DW Series is the very wide temperature full IP65 touch panel PC featuring the following protection designs.

- **Dustproof / Waterproof full IP65 chassis, connector and power adaptor** not only to prevent dust and water from invading the inner sensitive components but also to allow the device to be washed down
- **Corrosion-proof and anti-oil stainless steel chassis** not only to prevent corrosion generated by acid, alkali or salt but also to facilitate cleaning and maintenance
- **Heat/cold-resistant mainboard, panel & components** to ensure normal operation of the system installed at extreme temperatures

Collections

| Series Number | CPU | Performance | | Structure | | Panel Size | | | | | | | | | |
|---------------|-------------|-------------|------------------|-----------|--------------------|------------|-------|-------|-----|------|-----|-------|-------|-------|-------|
| | | CPU | Power Efficiency | Fan | External Heat Sink | 4:3 | | | | 16:9 | | | | | |
| | | | | | | 8.4" | 10.4" | 12.1" | 15" | 17" | 19" | 15.6" | 17.3" | 18.5" | 21.5" |
| DW-2L | Intel D2550 | ★★ | 🍃🍃🍃 | Fanless | No | | | | V | V | V | | | | |
| DW-8L | Intel N2600 | ★★ | 🍃🍃🍃 | Fanless | No | | | | V | V | V | | | | |
| DW-FL | Intel E3845 | ★★★ | 🍃🍃🍃 | Fanless | No | | | | V | V | V | | | | |



Foodstuff, Pharmaceuticals



Logistics, Warehousing Distribution



Military



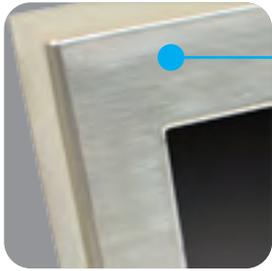
Petroleum, Chemistry, Petrochemistry



Industrial automation

Applications

DW Series Wide Temperature Full IP65 Touch Panel PC



● 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*



● IP65 waterproof stainless steel connectors
to prevent liquid from getting into the housing via the cable entry points

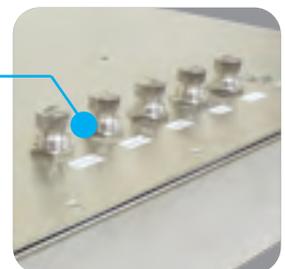


● IP65 rated external power adapter (alternative)
*to prevent liquid from getting into the interior of the adapter
from the junction of the shell*



● I/O connectors are located on the bottom
for 15" device

*I/O connectors are located on the rear
for 17" & 19" devices*



● RFID sensor (optional)
*to enable RFID technology application, such as logistics,
warehousing, distribution or industrial automation
(identification of workpiece carriers on assembly lines, material
flow control, identification of containers and other receptacles)*

DW-FN Series (Intel E3845)



-  CPU Performance 
-  Energy Efficiency 
-  Touch Function 
-  Dissipation Design **Fanless, No external heat sink**
-  Waterproof Design **IP65 chassis, IP65 connectors, IP65 power adapter (alternative)**
-  Housing Design **Stainless steel**

| | |
|----------------------|---|
| CPU | Intel® Atom™ E3845 1.91GHz Quad Core CPU |
| Memory | 1 x DDR3L SODIMM up to 8 GB |
| Power Supply | SIP65-rated DC in 12V / DC in 19V ~ 24V Full IP power adapter |
| I/O Ports (Default) | 2 x RS232, 1 x GLAN, 1 x USB, 1 x SATA socket |
| I/O Ports (Optional) | Any combination of up to 2 x RS232, 1 x RS232/422/485, 2 x GLAN, 4 x USB, 1 x VGA port no more than 4 |
| Expansion | 2 x Mini PCIe slot |
| Op. Temp. (Panel PC) | -20°C ~ 55°C |
| Op. Temp. (Adapter) | -20°C ~ 50°C |
| Storage Temperature | -25°C ~ 70°C |
| Relative Humidity | 0% ~ 95% non-condensing |
| OS Support | Win 7 Pro, Embedded 7, Win 8 Pro, Embedded 8 |
| Installation | VESA mount 100 x 100 mm |
| Optional Items | RFID sensor, None touch screen, Memory, Storage devices, WiFi, OS |

| Model Name | | DW-FNL15RW (DC in 19V~24V) DW-FNL15RF (DC 12V) | DW-FNL17RW (DC in 19V~24V) DW-FNL17RF (DC 12V) | DW-FNL19RW (DC in 19V~24V) DW-FNL19RF (DC 12V) |
|---------------------------|--------------------------------|---|---|---|
| Display | Size / Aspect Ratio | 15" TFT (4:3) | 17" TFT (4:3) | 19" TFT (4:3) |
| | Backlight | LED | LED | LED |
| | Resolution | 1024 x 768 | 1280 x 1024 | 1280 x 1024 |
| | Colors | 16.2 M | 16.7 M | 16.7 M |
| | Luminance (cd/m ²) | 400 | 350 | 350 |
| | Contrast Ratio | 700:1 | 1000:1 | 1000:1 |
| | Viewing Angle (H/V°) | 160/160 | 140/170 | 160/150 |
| | MTBF (hrs) | 50,000 | 50,000 | 50,000 |
| | Touch Screen | 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 |
| Weight (kg) | | 10 | 15 | 15 |
| I/O Port's Location | | Bottom | Rear | Rear |



Inspiring a reliable solution



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