



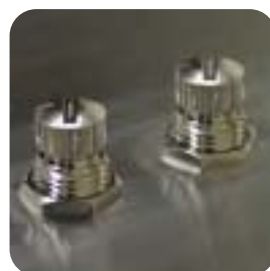
DW Series: Wide Temperature Full IP65 Touch Panel PC

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				✓	✓	✓				
DW-8L	Intel N2600	★★	🍃🍃🍃	Fanless	No				✓	✓	✓				
DW-FL	Intel E3845	★★★	🍃🍃🍃	Fanless	No				✓	✓	✓				



Foodstuff, Pharmaceuticals



Logistics, Warehousing Distribution



Military



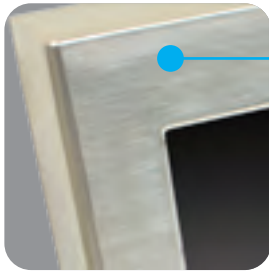
Petroleum, Chemistry, Petrochemistry



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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