

# KSP Series

## FULL IP65 TOUCH PANEL PC

360° protection against intrusion of dust, water, oil or corrosive materials



### Model: KSPW2150-AT

Fanless 21.5" Fully IP65 stainless steel Panel PC with 5 resistive touch screen (Intel ATOM D2550 3.5" industrial main board + Fully IP65 stainless steel panel PC chassis (sliver) + DC in external power adapter + 1 x USB + 2 x RS232 + 1 x GLAN + Fully IP65 connector including cable + 100 x 100mm VESA mounting )




### Features:

- IP65 compliant 6-sided stainless steel chassis
- IP65 waterproof stainless steel connectors
- Standard / IP65 rated external power adaptor
- Specially suitable for dusty / humid / oily / corrosive industrial environments

For a PC-based automation system installed in some industrial environments such as food processing factories, car washing stations, petroleum plants or pharmaceutical facilities, moisture, grease and dust resistance is an important criterion to ensure high reliability against harsh conditions. IP65 rating is the most commonly used index when an industrialist purchases waterproof industrial PCs.

iTechLCD's KSP Series is the very 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 and salt but also to facilitate cleaning and maintenance.

-  Housing Design Stainless steel
-  CPU Performance
-  Energy Efficiency
-  Touch Function



-  **Waterproof**
-  **Dustproof**
-  **Anti-oil**
-  **Corrosion-proof**

### Specifications:

#### PC Specifications

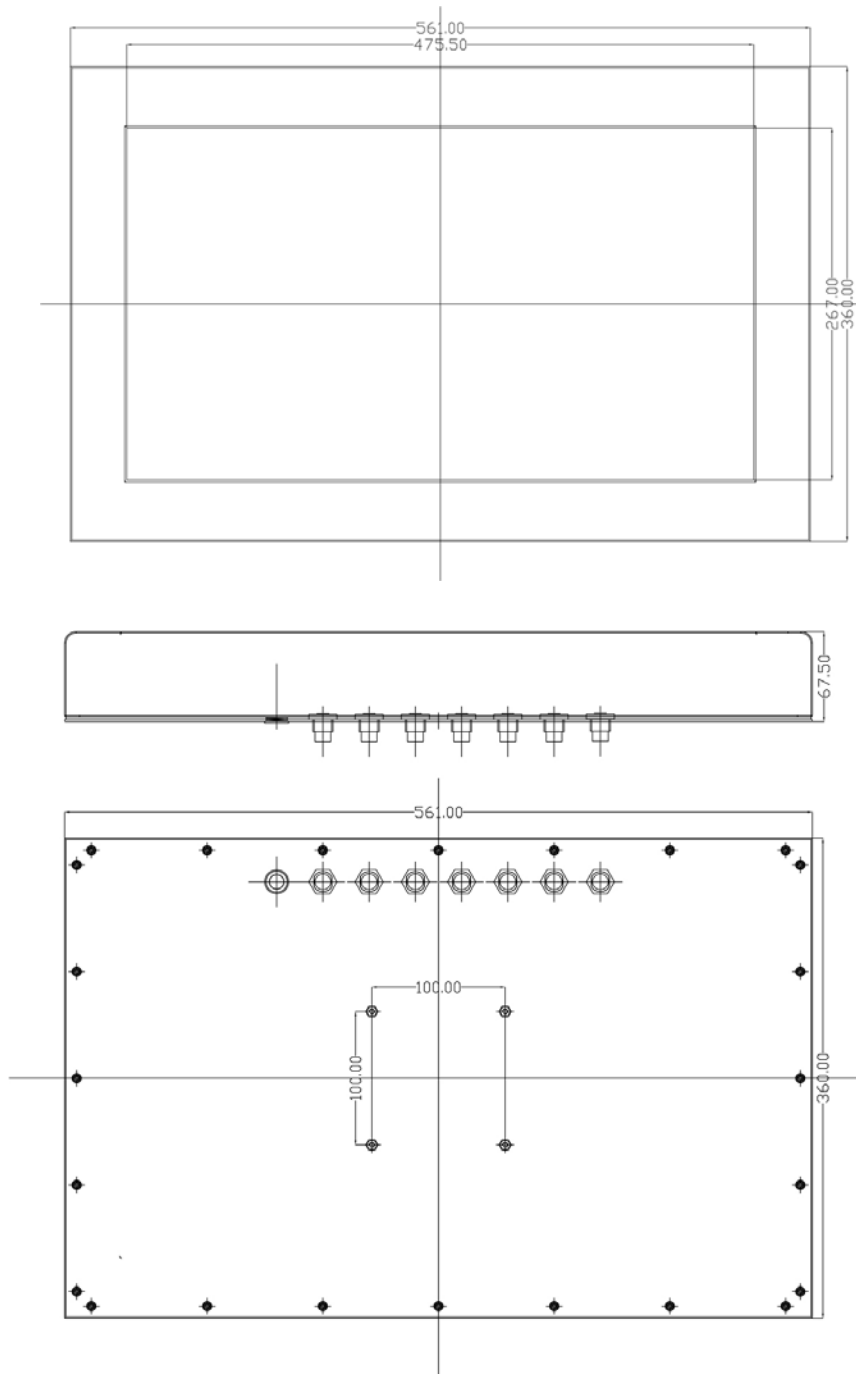
<b>CPU</b>	Intel Atom D2550 1.86Ghz Processor
<b>Memory</b>	2 x 204-pin SODIMM Dual-channel DDR3L 1333 / 1066MHz up to 8 GB
<b>Power Supply</b>	Standard / full IP65 DC in 12V external power adaptor
<b>I/O Ports (Default)</b>	2 x RS232, 1 x GLAN, 1 x USB, 1 x SATA socket
<b>I/O Ports (Optional)</b>	Any combination of up to 3 x RS232, 3 x GLAN, 4 x USB but totally no more than 4
<b>Operation Temperature</b>	0°C ~ 45°C
<b>Storage Temperature</b>	-10°C ~ 70°C
<b>Relative Humidity</b>	10% ~ 90% non-condensing
<b>OS Support</b>	Win 7 Pro, Embedded 7, Win 8 Pro, Embedded 8
<b>Installation</b>	VESA mount 100 x 100 mm
<b>Optional Items</b>	RFID sensor, No touch screen, Memory, Storage devices, WiFi, OS

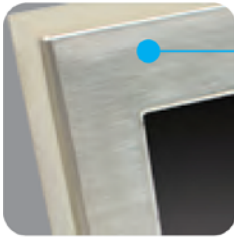


**LCD Specifications**

Display	Size / Aspect Ratio	21.5" TFT (16:9)
	Backlight	LED
	Resolution	1920 x 1080
	Colors	16.7M
	Luminance (cd/m2)	300
	Contrast Ratio	5000:1
	Viewing Angle (H/V°)	178/178
	MTBF (hrs)	50,000
	Touch Screen	5-wire resistive
Dimension (W x H x D, mm)	TBD	
Weight (kg)	17.5	
I/O Port's Location	Rear	

**Mechanical Drawing**

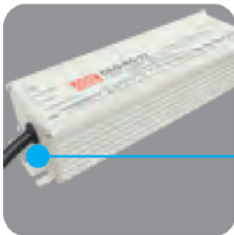




IP65 compliant 6-sided sealed stainless steel chassis  
*to prevent liquid / dust from getting into the housing and  
to resist acid- / alkali-based cleaning agents from corroding the device*



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

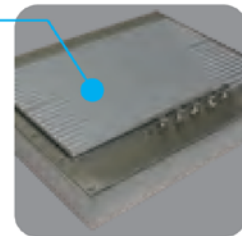


IP65 rated external power adapter (alternative)  
*to prevent liquid from getting into the interior of the adapter  
from the junction of the shell*



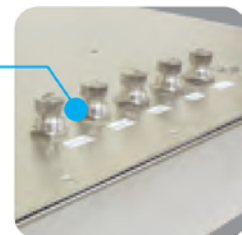
No external heat sink

External heat sink  
*to faster dissipate the heat to keep  
excellent CPU performance*



I/O connectors are located on the bottom  
*for 10.4" ~ 15" device*

I/O connectors are located on the rear  
*for 17" ~ 21.5" 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)*