

# KSP Series

## FULL IP65 TOUCH PANEL PC

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



### Model: KSPW2150HB2-i3

Fanless Sunlight Readable 1600nits 21.5" Fully IP65 Stainless Steel industrial Panel PC with 5 wires resistive touch screen (Intel i3 4010U industrial main board(CPU on board) + fully IP65 stainless steel chassis(silver) with external heat sink in the back side + DC in external power adapter +2 x RS232 + 1 x USB + 1 x GLAN + VESA mounting: 100 x 100mm + Resolution: 1920 x 1080 dpi)





### Features:

- IP65 compliant 6-sided stainless steel chassis
- IP65 waterproof stainless steel connectors
- Standard / IP65 rated external power adapter
- 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.

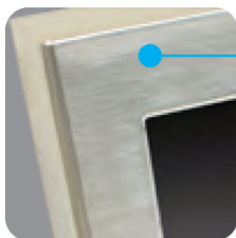
iTechLCD's KSP Series is the very full IP65 touch panel PC featuring the following protection designs.

- 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**



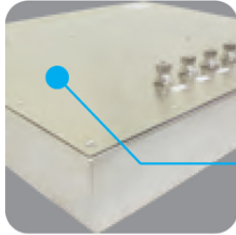
• IP65 compliant 6-sided sealed stainless steel chassis  
to prevent liquid / dust from getting into the housing and  
to resist acid- / alkali-based cleaning agents from corroding the device



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

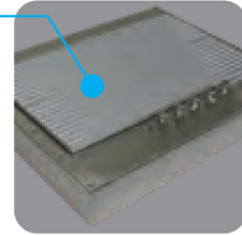


IP65 rated external power adapter (alternative)  
to prevent liquid from getting into the interior of the adapter  
from the junction of the shell



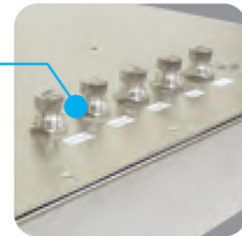
No external heat sink

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



I/O connectors are loacted on the rear  
for 17" ~ 21.5" devices

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



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)

## Specifications:

### PC Specifications

CPU	Intel® Core™ i3 4010U
Memory	2 x 204-pin SODIMM Dual-channel DDR3L 1333 / 1066MHz up to 8 GB
Power Supply	Standard / full IP65 DC in 12V external power adaptor
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 3 x RS232, 3 x GLAN, 4 x USB but totally no more than 4
Expansion	1 x Mini PCIe slot (with mSATA function)
Operation Temperature	0°C ~ 45°C
Storage Temperature	-10°C ~ 70°C
Relative Humidity	10% ~ 90% 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, 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)	1600
	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**

