

# KSP Series

## FULL IP65 TOUCH PANEL PC

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








### Model: KSP2150AO

Fanless Panel PC 21.5" Full IP65, LED Backlight, HMIs ARM Cortex-A9™ iMX6 Dual Lite /Quad Core 1.0 GHz

### 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

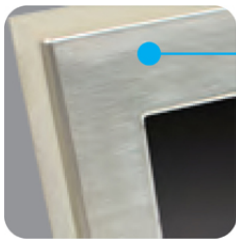
	CPU Performance	
	Energy Efficiency	
	Touch Function	
	Dissipation Design	Fanless, No external heat sink
	Waterproof Design	IP65 chassis, IP65 connectors, IP65 power adapter (alternative)
	Housing Design	Stainless steel



The fanless Freescale i.MX6 processor-based fanless full IP65 stainless steel HMIs, use industrial grade LCD panel with 5 wires resistive single touch solution and adopts ARM architecture dual lite /quad core Cortex-A9 processor 1.0GHz., also made with a robust stainless steel chassis's mechanical design and can operate under harsh operating environment. Moreover, with the fully IP65 protection, the fanless full IP65 panel PC with full IP65 stainless steel connectors are protected from ingress of dust and water. The users can benefit from the mounting: wall mount (VESA 100 x 100)

Based on the open-source Android operating system, system integrators and software developers are easy to develop application programs. With ARM architecture advantages and rich I/O connectivity and we are confident that it will be a perfect solution for various applications such as HMI systems, factory automation, food automation, control process, monitoring control.....etc

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



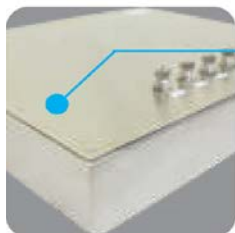
IP65 compliant 6-sided sealed stainless steel chassis  
to prevent liquid / dust from getting into the housing and  
to resist acid- / alkali-based cleaning agents from corroding the device



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



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



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

## Specifications:

### PC Specifications

CPU	Freescall ARM Cortex-A9™ iMX6 Dual Lite 1.0 GHz
Memory	1GB DDR3 (On Board)
Power Supply	DC in 12V external power adapter / Full IP65 DC in power adapter
I/O Ports (Default)	1 x RS232, 1 x GLAN, 2 x USB (15", 17", 19") / 1 x RS232, 1 x GLAN, 3 x USB (21.5")
Storage	4GB eMMC ; MicroSD (SDXC) x1
Operation Temperature	0°C ~ 45°C
Storage Temperature	-30°C ~ 85°C
Relative Humidity	20% ~ 90% non-condensing
OS Support	Android 4.4
Installation	VESA mounting 100 x 100 mm

### 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	3000:1
	Viewing Angle (H/V°)	178/178
	MTBF (hrs)	50,000
	Touch Screen	5-wire resistive
Dimension (W x H x D, mm)	561 x 267 x 67.5	
Weight (kg)	17.5	
I/O Port's Location	Rear	

## Mechanical Drawing

