KSP Series
FULL IP65 TOUCH PANEL PC
360° protection against intrusion of dust, water, oil or corrosive materials

Model: KSP1210HB-AT

Fanless sunlight readable 1600nits 12.1" Fully IP65 stainless steel panel PC with 5 wires seamless touch screen (Intel Quad Core ATOM J1900 industrial mainboard + Fully IP65 stainless steel panel PC chassis (sliver) with external heatsink at the back side + DC in external power adapter + 3 x USB + 2 x RS232 + 1 x LAN + VESA mounting 100 x 100 + Resolution : 1024 x 768 dpi)

Housing Design   Stainless steel

CPU Performance

Energy Efficiency

Touch Function

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.

Waterproof

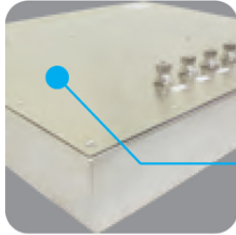**Dustproof**

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
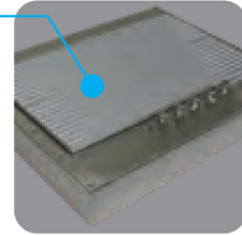*to prevent liquid from getting into the housing via the cable entry points*

I-TECH COMPANY

i-Tech Company LLC
TOLL FREE: (888) 483-2418 • EMAIL: info@itechlcd.com • WEB: www.iTechLCD.com

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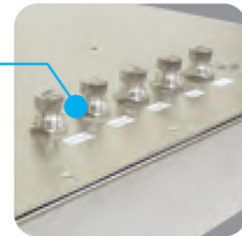*to prevent liquid from getting into the interior of the adapter from the junction of the shell*

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

No external heat sink

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 Quad Core ATOM J1900 Processor
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, 3 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

	Size / Aspect Ratio	12.1" TFT (4:3)
	Backlight	LED
	Resolution	1024 x 768
	Colors	16.2M
Display	Luminance (cd/m2)	1600
	Contrast Ratio	700:1
	Viewing Angle (H/V°)	160/160
	MTBF (hrs)	50,000
	Touch Screen	5-wire resistive
Dimension (W x H x D, mm)		N/A
Weight (kg)		N/A
I/O Port's Location		Bottom