

# KCH Series

## FULL IP65 LCD MONITOR

A full range of solutions for a wide variety of industrial criteria including extreme temperature resistance or sunlight readable

### Model: KCH1900SIP

Fanless 19" full IP65 industrial LCD monitor 1 x VGA , 1 x USB for touch screen , 1 x 1.8M USB cable , 1 x 1.8M VGA cable , VESA mounting , all waterproof connectors at LCD monitor side + resolution : 1280 x 1024 dpi



Waterproof Design

IP65 chassis, IP65 connectors, IP65 power adapter (alternative)



Housing Design

Stainless steel



OSD Controller

Rear side

### 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 PC-based automation system deployers preferring traditional standalone or client-server architecture for technical or economic reasons, an industrial rated touch monitor is an essential device to link up operators with the system. Radically different from commercial or residential applications, industrial environments are usually harsh, with hazards that can range from extreme temperatures, ambient light disturbance, water & dust intrusion, corrosion and oily & greasy contamination. The resistance to one or some of the above-mentioned factors should not be ignored when assessing whether a monitor can well work with the system.

In response to different environmental conditions, iTechLCD develops a full range of solutions featuring one or some of the following characteristics and allowing entrepreneurs to easily select and deploy an appropriate monitor to address the challenge(s) they are facing.

- Wide operating temperature range
- Sunlight readability
- Full IP65 water-/dust-proofing
- 19" rack mountability



Waterproof



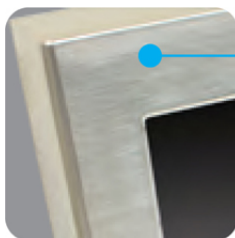
Anti-oil



Dustproof



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*

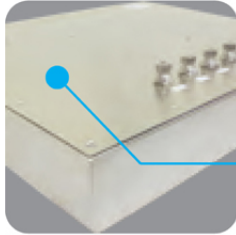


IP65 waterproof stainless steel connectors

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

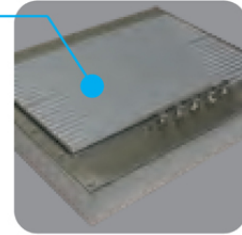


IP65 rated external power adapter (alternative)  
to prevent liquid from getting into the interior of the adapter  
from the junction of the shell



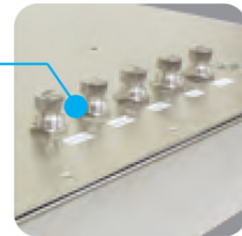
No external heat sink

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



I/O connectors are 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)

## Specifications:

Display	Size / Aspect Ratio	19" TFT (4:3)
	Backlight	LED
	Resolution	1280 x 1024
	Colors	16.7M
	Luminance (cd/m <sup>2</sup> )	250
	Contrast Ratio	1000:1
	Viewing Angle (H/V°)	170/160
	MTBF (hrs)	50,000
Dimension (W x H x D, mm)	455 x 367.6 x 67	
Weight (kg)	10	
I/O port's position	Rear	
OSD Controller	Yes (rear)	
Power Supply	Standard / IP65-rated DC in 12V (default) or DC in 19V ~ 36V (optional) external power adapter	
I/O Ports (Default)	1 x VGA, 1 x USB or RS232 for resistive touch screen	
Operation Temperature	0°C ~ 45°C	
Storage Temperature	-10°C ~ 70°C	
Relative Humidity	0% ~ 95% non-condensing	
OS Support	Win 7 Pro, Embedded 7, Win XP Pro, Embedded XP	
Installation	VESA mount 100 x 100 mm	
Optional Items	Touch screen	

## Mechanical Drawing

