

# Rugged Completely Sealed IP66/NEMA4X Stainless Steel Chassis/Surface Mount PANEL PC

Rugged Completely Sealed Full IP66/NEMA4X Stainless Steel Chassis/Surface Mount, 17" LCD monitor, 1280 x 1024, 1000 nits, with Glass, w/ Intel Atom D2550 processor, 1.6GHz, Memory 4GB, 64 GB SSD, Windows 7 embedded, Water proof cable:VGA + DVI + RS232 + USB \*2 + POWER

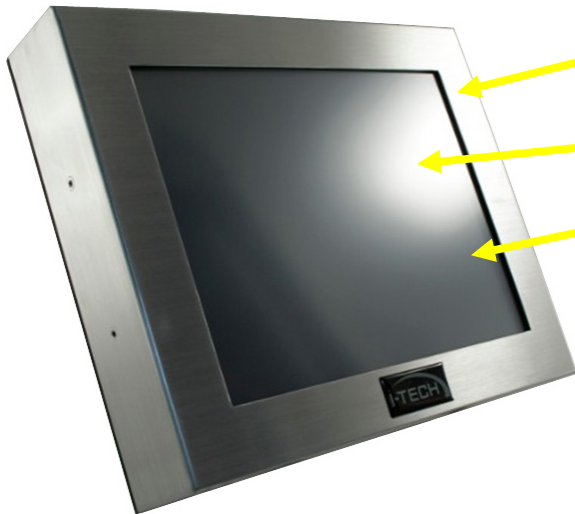
1000 nits



Model: SCH1700HB-SIP-PC

## Features Highlights

Rugged Completely Sealed IP66/NEMA4X Stainless Steel Chassis/Surface Mount with All-in-One PC Fanless Solution



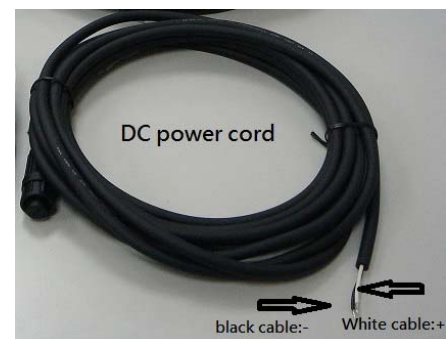
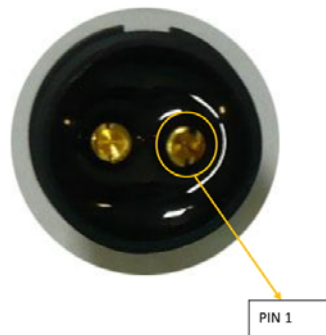
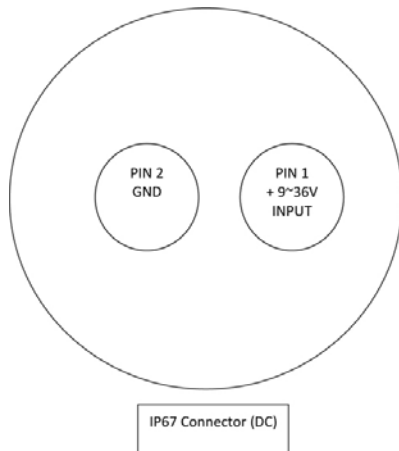
Water Proof Solution, Full IP/NEMA4 Rating  
front and back  
Stainless and Aluminum Housing Chassis Design

Optional High Brightness and Touch screen

Glass Protective Glass at front



- IP65 Water and Dust proof connection for a higher protection
- All Connectors are facing back with IP66 water proof connectors
- Optional DC 9-36V input



## PC Features

- Intel® Atom D2550 Processor and NM10 onboard
- Selectable 12V/5V/RI with 1Amp driving current for COM ports
- Support LED display
- One DDR3 SO-DIMM support up to 4GB DDR3 1066MHz SDRAM
- Support dual display for VGA and LVDS
- Support cash drawer port
- One Mini-PCIe
- Onboard 8-bit Digital I/O, 4 bits of wide range input and 4 bits of buffer output
- All Japan brand of Capacitors
- Optional DC 12V Input and DC 12V Output COM



## PC Specifications

System Processor/Chipsets	
Processor	Intel® Atom processors D2550/N2800/N2600 BGA
Chipset BIOS	NM10 AMI
Memory	
Technology Max	DDR3 1066 MHz SO-DIMM
<b>Max. Capacity</b>	Up to 4GB DDR3 SDRAM
<b>Socket</b>	1xDDR3 SO-DIMM
Display	
Chipset	Intel D2550 integrated
VARM	Share with system memory
Resolution	Analog Display: Up to 2048 x 1536
LVDS	24bit
LVDS Resolution	Dual Channel Up to 1920x1080
Dual Display	CRT+LVDS
Ethernet	
Interface	10/100/1000 Mbps
Controller	LAN: Realtek 8111E
Audio	
Interface	High Definition Audio Realtek
Controller	ALC269 HD CODEC
SATA	
Max. Data Transfer Rate	300 MB/s 2
Port	2
Expansion Slot	
mini PCIe	1
Onboard Connector	
VGA	1
USB 2.0	2
LVDS	18/24 bit
DIO	4 in/ 4 out
COM	4xRS232, all supply 5V&12V
SATA Power	2
Parallel	1
Mic In	1
Audio	1 (Line In, Line out, Mic In)
Fan	1x CPU FAN, 1xSYSTEM FAN
MSR	1
SATA	2x SATA Slot

### Rear I/O

PS/2	1
VGA	1
COM	1xD-SUB9(1xRS232/RS422/RS485) 1xRJ45 (RS232)
USB 2.0	4
LAN	1
Cash Drawer	1
DC 12V IN	1
DC 12V Output	1
Parallel	1
Line out	1

### Power

DC 12V Input	DC 12V Jack, DC 12V 4Pin connector
DC 12V Output	DC 12V Jack

### Watchdog Timer

Interval	Programmable 1~255 sec.
Output	System reset

### Environment

Operating Temp.	-5°C~60°C (23°F~140°F)
Storage Temp.	-20°C~80°C (-68°F~176°F)
Relative Humidity	0%~95% (non-condensing)

### Form Factor

Dimension (LxW)	170mm x 170mm (6.69" x 6.69")
-----------------	-------------------------------

## Rear I/O



## Features:

- Modular mechanism design provides flexible product configuration and easy maintenance.
- Stainless Steel Enclosure
- Optional with auto-brightness sensor offers application in day and night.
- Optional to built-in touch screen for interactive application

## Specifications:

<b>Panel</b>	Cell Type / Glass Surface	TFT LCD / Black Anti-Glare, low reflection coating	
	Aspect Ratio / Size	5 : 4 / 17" viewable diagonal area	
	Active Area / Pixel Pitch	337.92(H) x 270.34(V) mm / 0.264(H) x 0.264(V) mm	
	Native Resolution / Colors	1280(H) x 1024(V) / 16.7 Million	
	Brightness / Contrast	1000 cd/m <sup>2</sup> (typ) / 800 :1	
	Response Time	^ 5 ms	
	Viewing Angle (typical)	H. 160° (- 80° ~ + 80°) , V 160°(- 80° ~ + 80°)	
	Light Source	CCFL , Long life, 50,000 hrs (typ)	
<b>Input Sources</b>	PC System	Signal	Analog RGB (0.7/1.0 V <sub>p-p</sub> , 75 ohms)
		Sync	Separate Sync, Composite Sync, Sync On Green
		Frequency	F <sub>H</sub> : 30 - 82Khz , F <sub>V</sub> : 50 -75Hz
Audio System	2W speaker x 2		
<b>Input Terminals</b>	1 x VGA (15 Pin Female D-Sub), 1 x PC Audio (Stereo Headphone Jack), 1 x DC JACK		
<b>Convenient Features</b>	Auto Calibration , Back Light Adjustment, Plug&Play (VESA DDC/CI, DDC 2B)		
	OSD Multi-Languages , Wall Mount Ready (VESA 100 x 100 mm)		
<b>Power</b>	External AC-to-12VDC power adapter with universal / Auto-Sensing, AC 90 to 260V, 50 / 60 Hz		
<b>Power Consumption</b>	Operation / Power Saving	30 watt, < 2 watt (Support DPMS)	
<b>Operating Condition</b>	Temperature / Humidity	0°C ~ 50°C (32°F ~ 122°F), 10% ~ 90% (no condensation)	
<b>Storage Condition</b>	Temperature / Humidity	- 20°C ~ 60°C (- 4°F ~ 140°F), 10% ~ 90% (no condensation)	
<b>Certification</b>	FCC,CE		
<b>Dimensions</b>	Physical	With Base(W x H x D): TBD	
		Without Base(W x H x D): 430.0 x 370.0 x 79.0 (mm)	
	Carton	W x H x D = TBD	
<b>Weight</b>	N.W. / G.W.	10.0 Kgs/12.0 Kgs	
<b>Container Loaded</b>	20ft / 40ft / 40ft HQ	1040 / 2160 / NA (Sets , By pallet)	

Options	Touch	Video / TV	Enhanced Panel	Others
	Resistive touch	SV + AV	Panel with LED backlight	Digital Signage(Stand alone)
	Capacitive touch	SV + AV + AV_Looping	High brightness panel	Networking Digital Signage
	SAW touch	SV + AV + TV	Wide Temperature	Motion Sensor
	Infrared touch		Sunlight Readable	Light Sensor
	Protected glass			Auto-Dimming

Mechanical Drawing

