

# **10.4”Industrial Monitor (Front IP65 )**

## **EXP-104-PCT**

**Product:10.4”Industrial Monitor**

**Version:Ver.1.0**

## **Contents**

**1.Overview**

**2.General description**

**3.Adaptor description**

# 1. Overview

## 1) Features:

- ◆ 160°/160 view angle
- ◆ 10.4" 4:3 LED Backlight Monitor, 1024x768 resolution
- ◆ 1000:1 contrast ratio
- ◆ 400cd/m<sup>2</sup> brightness
- ◆ Port: VGA, DVI, HDMI
- ◆ Projected Capacitive Touch Technology
- ◆ Aluminum alloy case.
- ◆ 50,000 hours LED life time.
- ◆ Front IP65
- ◆ CE, FCC

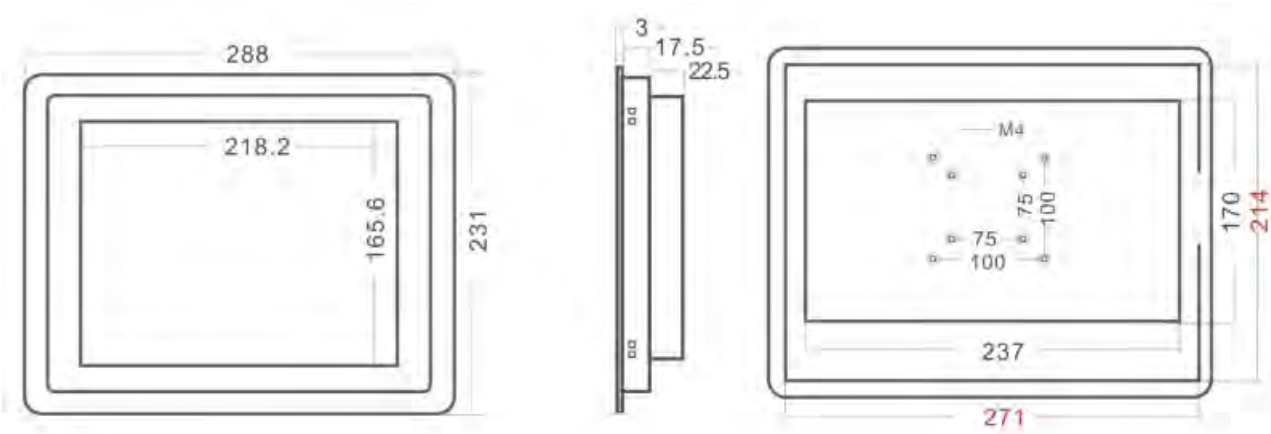
## 2) Photos



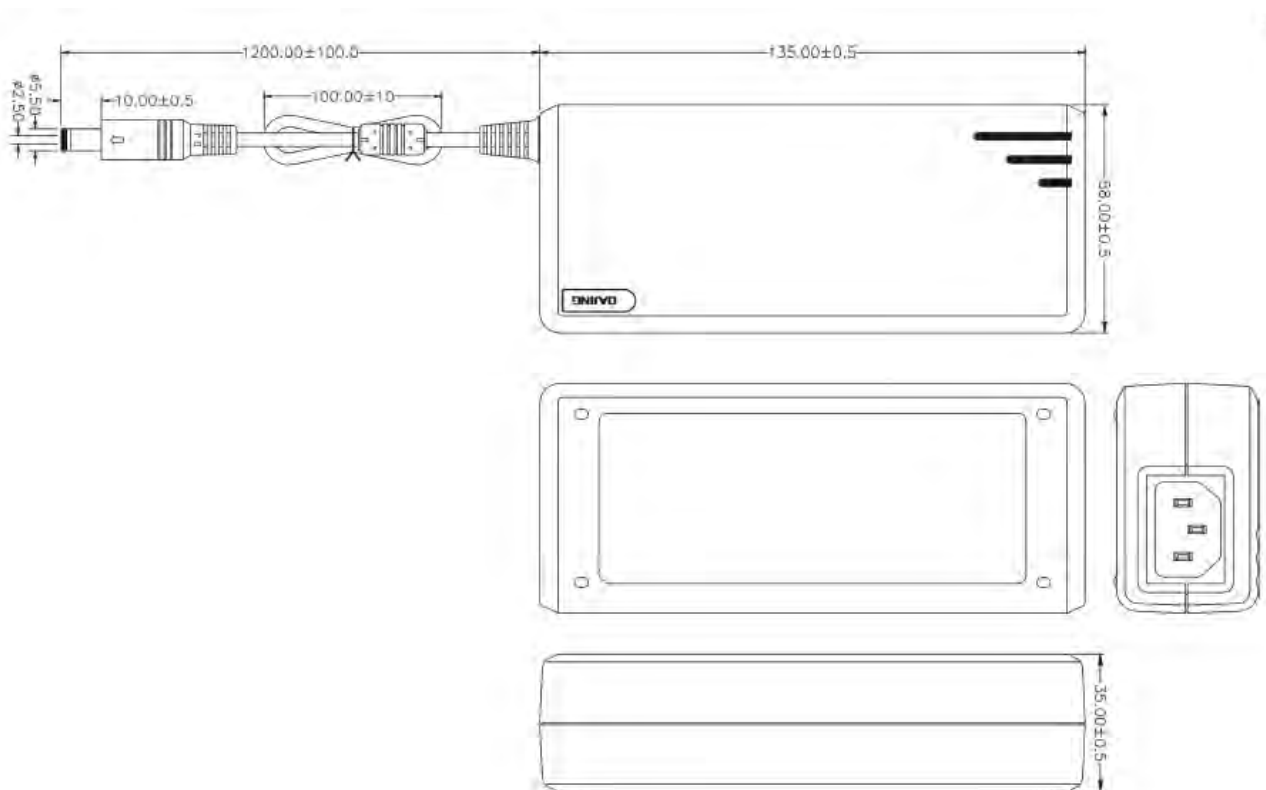
## 2. General Description:

<b>Screen diagonal dimension</b>	10.4inch
<b>Viewable area W x H(mm)</b>	210.4× 157.8 mm
<b>Led Type</b>	LED
<b>Screen Maximum Resolution</b>	1024x768
<b>Color Depth</b>	16.7 Million colors
<b>Brightness</b>	400 cd/m <sup>2</sup>
<b>Auto Adjust</b>	Yes
<b>Monitor Aspect Ratio</b>	4:3
<b>Display Aspect Ratio</b>	4:3
<b>Contrast Ratio</b>	1000:1
<b>Response Time(ms)</b>	5ms
<b>View Angle H/V(degrees)</b>	160°/160°
<b>Port inputs</b>	VGA+DVI+HDMI+USB
<b>Speakers</b>	Optional
<b>OSD Languages</b>	English, Spanish, German, Chinese, French, Italian
<b>VESA Mounting Pattern</b>	100 x 100 & 75x75mm
<b>Touch(Projective Capacitive)</b>	
<b>Active Area</b>	210.4× 157.8 mm
<b>Surface Hardness</b>	≥6H
<b>Consumption</b>	≤0.5W
<b>Touch Points</b>	10 Touch Points
<b>Lifespan</b>	50 millions cycles
<b>Response Time</b>	≤10ms
<b>Complaint O/S</b>	WinXP,Win7,Win8,Win10,Android,Linux
<b>Transparency</b>	≥85%
<b>Other</b>	
<b>Gross Weight</b>	3.65KG
<b>Power- Watts(on and standby)</b>	< 30W
<b>Power input (External)</b>	12V,4A
<b>Operating Temperature</b>	0℃ ~ 40℃
<b>Storage Temperature</b>	-20℃ ~ 60℃
<b>Operating Humidity</b>	10 ~ 85%

### 3.Drawing:



### 4.Adaptor description:



### Features:

#### Over-Voltage Protection

1.1 Over-voltage protection shall be included in the adaptor circuit. A single component failure must not cause an over voltage.

#### 1.2 Over-Current Protection

The power supply shall be protected (hiccupped & power reduced) when any output operating in overload condition under any line condition for an indefinite period of time. The power supply shall be self-recovery when the fault condition is removed.

## ENVIRONMENTAL CONDITIONS

### 2.1 Operating

The power supply shall be capable of operating normally in any mode without malfunction happens in the following environmental conditions.

2.1.1 Operating Temperature: 0°C ~ 40°C (Can operate normally)

Relative Humidity: 10% ~ 90%

Altitude: Sea level to 2,000 m.

2.1.2 Vibration: 1.0mm, 10 –55Hz, 15 minutes per cycle for each axis (X, Y, Z).

2.1.3 Cooling: Natural convection cooling

### 2.2 Non - Operating

The power supply shall be capable of withstanding the following environmental conditions extended periods of time, without sustaining electrical or mechanical damage and subsequent operational deficiencies.

2.2.1 Storage Temperature: -30°C ~ 70°C

2.2.2 Relative Humidity: 10% ~ 90%

2.2.3 Altitude: Sea level to 2,000 m.

### 2.2.4 Vibration and Shock:

The power supply shall be designed to withstand normal transportation vibration per MIL-STD-810D, method 514 and procedures X, as it is mounted in the chassis assembly and packed for shipping

## RELIABILITY AND QUALITY CONTROL

### 3.1 Burn-In

The power supply shall withstand a minimum of 2 hours Burn-In test under full load at 25°C ~ 40°C room temperatures, after test, product shall operate normally.

### 3.2 Component Derating

Semiconductor junction temperatures shall not exceed the manufacturer's maximum thermal rating.

## 5.Photos:

