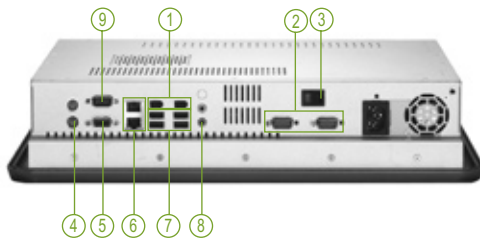# PANEL1158-831

15" TFT Slim Intel® Core™2 Duo Industrial Panel Computer

Features

DualView

- ▶ **15" XGA TFT LCD display**
- ▶ **Intel® Core™2 Duo processor**
- ▶ **Industrial-grade material front bezel: anti-corrosion**
- ▶ **Slim design: thickness 86.4 mm**
- ▶ **Built-in speakers & optional WLAN module**
- ▶ **Windows® Vista supported**
- ▶ **Panel/Rack/VESA/Wall/Desktop mounting ways**

Side view

1. IEEE 1394a	4. PS/2 KB+MS x 2	7. USB 2.0 x 4
2. COM 2/3 (RS-232)	5. VGA	8. Audio (Mic-in/Line-out)
3. Power switch	6. Ethernet x 2	9. COM 1 (RS-232/422/485)

Introduction

The PANEL1158-831 is a 15" multi-media panel PC for Kiosk application. It has a fashionable mechanism design and industrial-grade material front bezel which can avoid damage from chemical corrosion. To meet the demand of multi-media application, the PANEL1158-831 supports Intel® Core™2 Duo processor and operating system of Windows® Vista, and is equipped with built-in speakers, two Gigabit LAN, IEEE 1394a and WLAN module for wireless network connection. This slim industrial panel PC is most suitable for kiosk, factory automation and more.

Powerful computing: Intel® Core™2 Duo processor
The PANEL1158-831 features Intel® Core™2 Duo and Intel® 945GME chipset which deliver high computing capability. The Mobile CPU offers reliable and stable performance for rugged environment.

Industrial-grade material front bezel
The PANEL1158-831 adopts industrial-grade material front bezel which incorporates the advantages of light weight, high degree of hardness, better heat releasing, easy-to-shape and anti-corrosion ability. Therefore, the PANEL1158-831 is especially suitable for most rugged industrial environments.

Speaker & WLAN antenna supported
PANEL1158-831 features built-in speakers for kiosk application to display multimedia program. It also supports WLAN module (optional) & antenna for wireless network connectivity.

Specifications

Front Bezel	Industrial-grade material w/ IP65/NEMA 4 rugged protection	
LCD Panel	Display Type	15" XGA TFT
	Brightness (cd/m²)	260 nits
	Resolution	1024 x 768 pixels
	Viewing Angle (H/V)	120˚/140˚
Main system	Main board	SBC86831
	CPU	Socket M for Intel® Core™2 Duo/ Core™ Duo/Core™ Solo processor with FSB 533/667 MHz

Chipset	Intel® 945GME+ICH7M/-DH	
System Memory	2 x 240-pin DDR2 DIMM max. up to 4GB	
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and customer CMOS backup	
SSD	2 x USB DiskOnModule supported	
Storage	1 x 3.5" or 1 x 2.5" IDE/SATA HDD	
Watchdog Timer	255 levels, 1~255 sec.	

* All specifications and photos are subject to change without notice.

I/O Connector	2 x RS-232 (COM 2/3)
	1 x RS-232/422/485 (COM 1)
	2 x IEEE 1394a
	4 x USB 2.0
	2 x PS/2 keyboard/mouse
	2 x 10/100/1000Mbps Ethernet
	1 x VGA
	1 x Audio (Mic-in/Line-out)
Touchscreen	Resistive type
	Light Transmission 79%
	1 million activations (typical) at a single point
Power supply	100 ~ 240V$_{AC}$, 180W
Dimensions	420mm (16.54") (W) x 86.4mm (3.40") (D)
	x 335mm (13.2") (H)
Weight (net/gross)	5.5 kg (12.1 lb)/9.3 kg (20.5 lb)
Environmental	Operation temperature: 0˚C~45˚C (32˚~113˚F)
	Relative humidity:: 10-95%@40˚C, non-condensing
	Operation vibration: 1.0G,5~500Hz, random
Certification	CE

Ordering Information

PANEL1158-831-R	15" TFT slim Intel® Core™2 Duo industrial panel PC

*Specifications and certifications are limited to optional.

Optional Accessories

E202003330	VM-101 (VESA ARM clamp type)
E202003329	VM-105 (VESA ARM wall-mount)
82011580080E	2 x 2.5 HDD kit
82011580090E	VESA/Wall mount kit
82011750090E	Wireless LAN kit
82261580070E	Rack mount kit

Optional EOS Installation

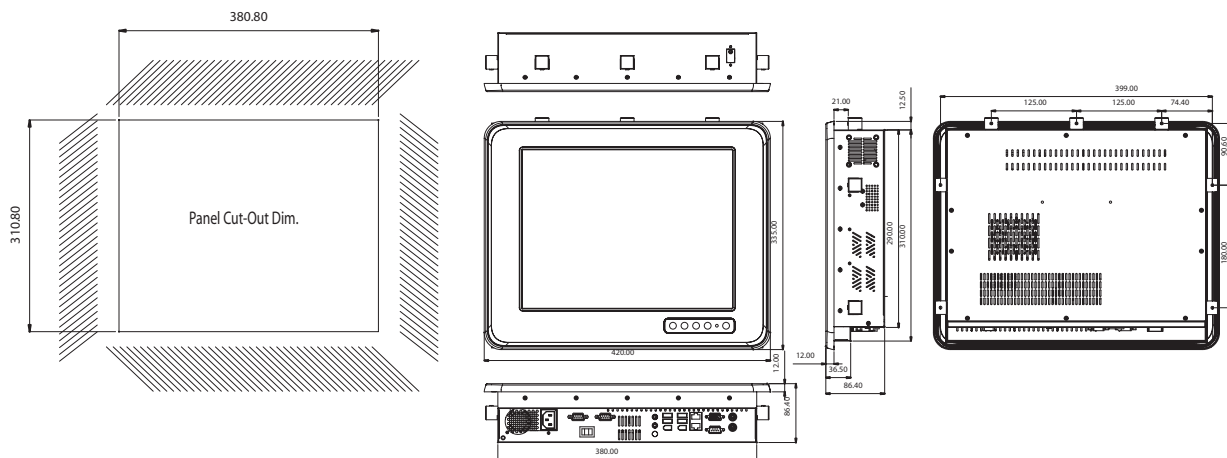Windows® XP Embedded

Windows® CE.NET

Optional OS Installation

Windows® 2000/XP/Vista

Dimensions