# PANEL1121-841

## 12.1" TFT Expandable Intel® Core™2 Duo Industrial Panel Computer with 2 PCI Slots



DualView

### Features

- 12.1" SVGA TFT LCD display
- Intel® Core™2 Duo processor
- Intel® Q965 + ICH8 chipset
- Expandable design: 2 PCI slots supported
- Windows® Vista and 7 supported
- Supports panel mount, wall mount, VESA arm
- Supports dimming control

1. SEL-
2. SEL+
3. Backlight on/off
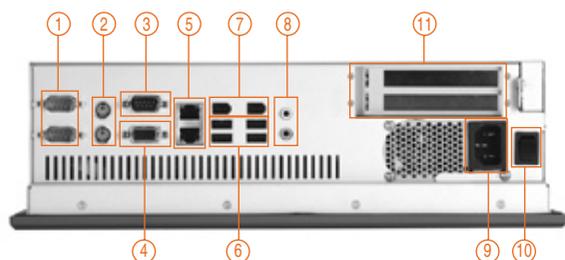
1. COM 1 (RS-232/422/485)
2. PS/2 K/B+M/S x 2
3. COM 2/3 (RS-232)
4. VGA
5. Ethernet x 2
6. USB 2.0 x 4
7. IEEE 1394a x 2
8. Audio (Mic-in/Line-out)
9. AC power
10. Power switch
11. PCI x 2

## Introduction

The PANEL1121-841 is a 12.1" industrial panel PC. It is equipped with 12.1" TFT LCD display and Intel® Core™2 Duo processor. The PANEL1121-841 supports Windows® Vista and adopts a PCI card for expansion capability, which is ideally suited for industrial machinery, measurement control and monitoring systems.

**Powerful computing: Intel® Core™2 Duo processor**
The PANEL1121-841 features Intel® Core™2 Duo processor and Intel® Q965 chipset which deliver high computing performance. The desktop CPU also offers reliability and stability for rugged environment.

**Easy to expand**
The PANEL1121-841 provides 2 PCI slots for easy-to-maintain purpose. Users can easily plug in standard half size PCI cards such as communication, motion and serial cards for various applications.

**WLAN antenna supported (optional)**
The PANEL1121-841 supports WLAN module (optional) 8 antenna for wireless network connectivity.

## Specifications

| | | |
|---|---|---|
| Front Bezel | Aluminum w/ IP65/NEMA 4 rugged protection | |
| LCD Panel | Display Type | 12.1" SVGA TFT LCD |
| | Brightness (cd/m$^2$) | 370 nits |
| | Resolution | 800 x 600 pixels |
| | Viewing Angle (H/V) | 120°/140° |
| Main system | CPU | LGA775 for Intel® Core™2 Duo/ Core™ Solo processor with FSB 533/800/ 1066 MHz |

| | | |
|---|---|---|
| Chipset | Intel® Q965 + ICH8 | |
| System Memory | 2 x 240-pin DDR2 DIMM max. up to 4 GB | |
| BIOS | Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and Customer CMOS Backup | |
| Storage | 1 x 2.5" 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 Audio (Line-out/Mic-in) |
| | 1 x DVI-I (female) for display (a converter for DVI-I to VGA is included) |
| Expansion Interface | 2 x PCI slot |
| Touch screen | Resistive type |
| | Light Transmission 79% |
| | 1 million activations (typical) at a single point |
| Power supply | 100 ~ 240V$_{AC}$, 250W |
| Dimensions | 340 mm (13.39") (W) x 120 mm (4.73") (D) x 272 mm (10.7") (H) |
| Packing Dimensions | 510 mm (20.08") (W) x 190 mm (7.48") (D) x 540 mm (21.26") (H) |
| Weight (net/gross) | 6.3 kg (13.9 lb)/8.4 kg (18.5 lb) |
| Environment | Operating temperature: 0°C ~ +40°C (32°~ 104°F) |
| | Relative humidity: 10 ~ 95%@40°C, non-condensing |
| | Operation vibration: 1.0G,5~500Hz, random |
| Certification | CE |

## Ordering Information

| P1121-841 | 12.1" SVGA TFT LGA775 socket Intel® Core™2 Duo industrial panel PC with 2 PCI slots |
|---|---|

\* Specification and certifications are based on options and may vary.

\*\* PANEL1xxx is commonly known as P1xxx.

## Optional Accessories

| E202003330 | VM-101 (VESA ARM clamp type) |
|---|---|
| E202003329 | VM-105 (VESA ARM wallmount) |
| 82211530110E | Wireless LAN kit |
| 82211210060E | PANEL1121-841 VESA kit |

## Optional OS Installation

| Windows® XP/Vista/7 |
|---|

## Dimensions