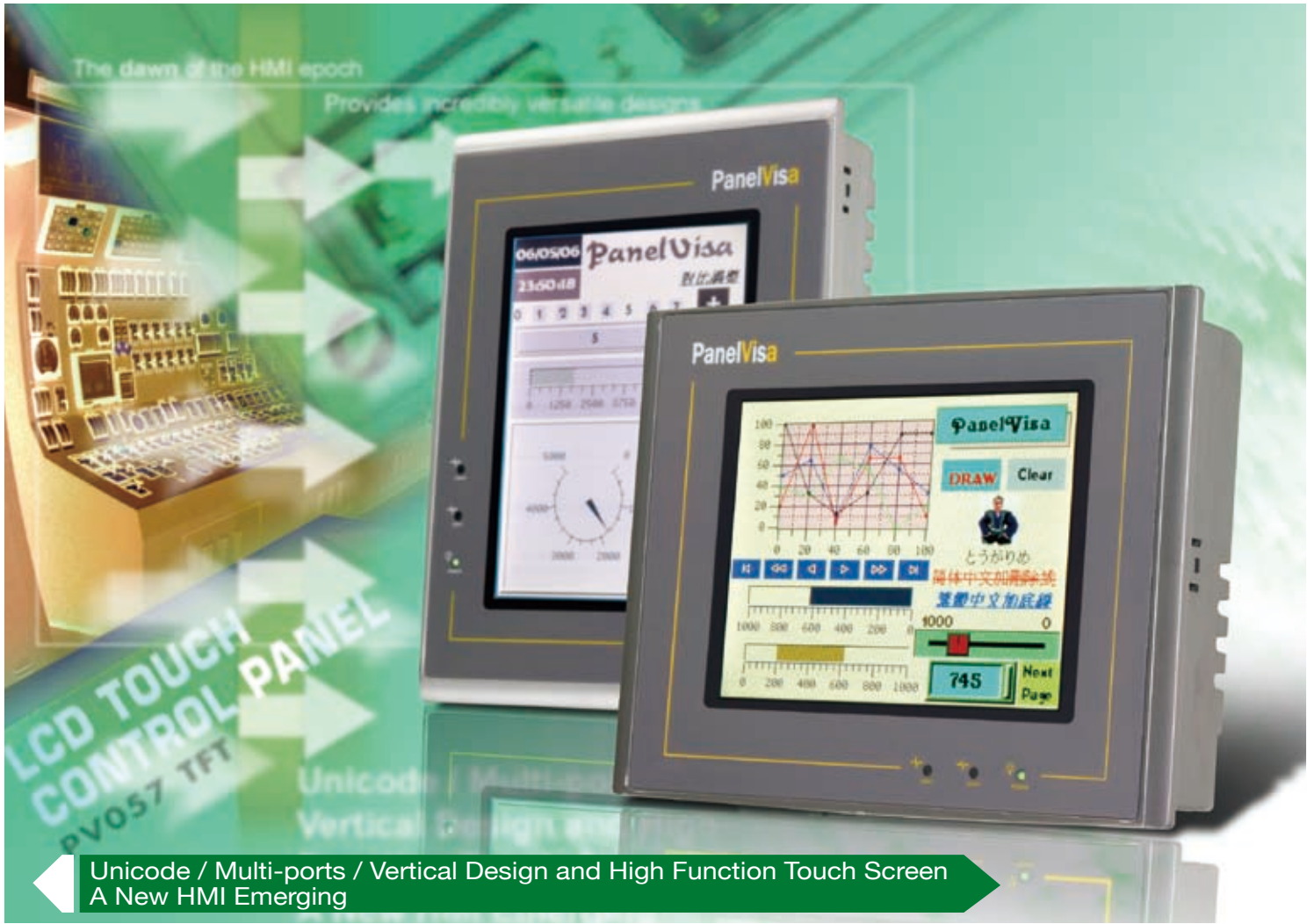


# PanelVisa

The **dawn** of the HMI epoch  
Provides incredibly versatile designs.



Unicode / Multi-ports / Vertical Design and High Function Touch Screen  
A New HMI Emerging

**PV057-BST / PV057-LST / PV057-TST**

## PanelVisa HMI System

The **PV** series is a low budget entry device for simple applications equipped with necessary basic functions. It is a high function but cost effective HMI which can communicate with popular programmable controllers. With rugged plastic housing and IP65 front panel, the PV series conquers most harsh environments and meets many applications need, such as Factory Automation, Building Automation, Specified machine tools... etc.

### FEATURES

- High Quality Control and 100% Product Test
- IP65F Equivalent Front Panel with Function Keys
- Built-in Fanless, Reliable and High Function RISC 32-bits CPU
- Provides CCFL backlight / LED backlight / Color TFT LCD.
- Provides standard 128KB battery backup memory for Alarm - Recipe - Data Recording Using (Max.: 1MB)
- Supports Multi-Languages - Unicode & BMP - JPG - GIF graphic formats
- Provides accommodative Software, "PanelMaster"
- Customize Logo / Membrane Design and BIOS for users



**CERMATE Technologies Inc.**

[WWW.CERMATE.COM](http://WWW.CERMATE.COM)

A Professional Touch Panel Manufacturer

HMI TOUCH PANEL

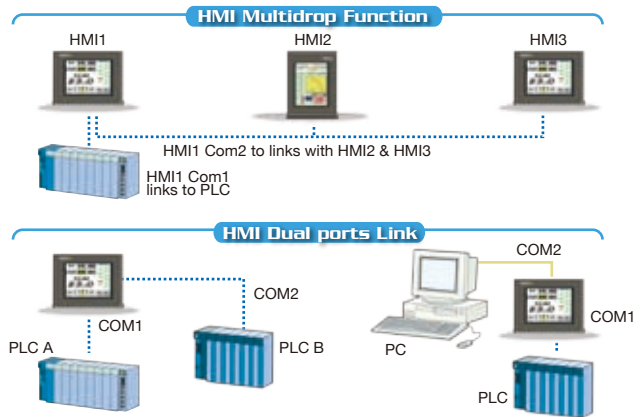
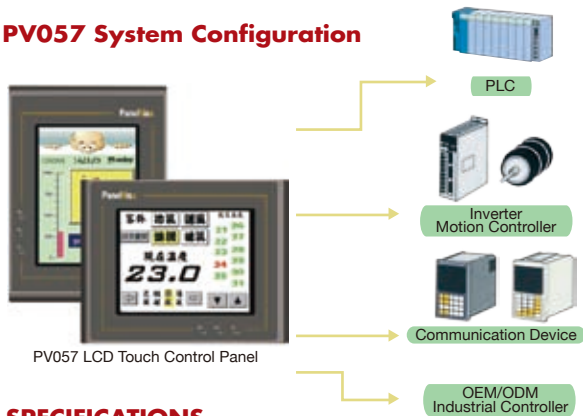
WIN CE TOUCH COMPUTER

LCD TOUCH MONITOR

IPC

The richest variety of functionalities, the most cost effective multimedia-ready board.

**PV057 System Configuration**

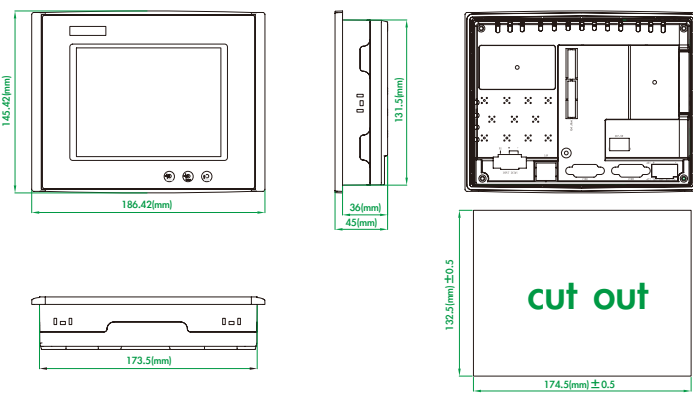
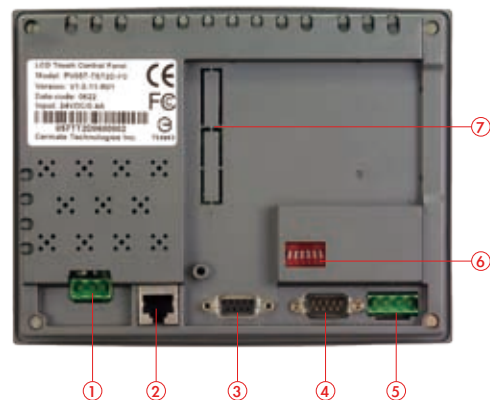


**SPECIFICATIONS**

- CPU\_** RISC 32 bit CPU
- Display Type\_**  
PV057-BST / PV057-LST: Monochrome STN LCD, 16 gray levels  
PV057-TST / PV057-TNT: TFT Color STN, 256 colors
- Backlight\_**  
PV057-BST / PV057-TST: CCFL Backlight  
(over 50,000 operation hours under normal temperature)  
PV057-LST: LED Backlight  
(over 100,000 operation hours under normal temperature)
- Resolution\_**  
PV057-BST / PV057-LST: 320x240 (5.7" diagonal)  
PV057-TST / PV057-TNT: 320x234 (5.6" diagonal)
- Communication\_** COM1/COM2, 2 Serial Ports
- Operation\_** Touch Panel
- Touch Panel\_** Hardness/4H, 4-wire analog resistance, 1 million activation minimal
- Ethernet Port\_** Optional
- Text Range\_** 6x8 dot font ~ 96x96 dot font / Windows Internal Font
- Input Power\_** DC20V~DC28V
- Flash Memory\_** 1 MB ~ 16MB (Optional)
- System Working Memory\_** 1024 KB
- Battery Backup Memory\_** 128 KB ~ 1 MB (Optional)
- Power Consumption\_** 10W

**PARTS INTRODUCTION**

- DC24V Power Connector
- Ethernet Port (Optional)
- Com1 (RS232/422/485) DB9\_Female
- Com2 DB9\_Male Standard RS232 Serial Port
- Com2 (422/485) 4 pin Terminal
- DIP\_SW1-6
- Extension Port (Ex. Optional Profibus Module)



**ENVIRONMENTAL**

- Operating Temperature\_** 0°~50°C (32°~ 120°F)
- Relative Humidity\_** 10% ~ 90% RH; 0- 50°C, non-condensing
- Shock (Operation)\_** 10 to 55Hz (X, Y, Z direction 2G 60 minutes)
- EMI\_** Complies with FCC Part 15 Class A
- EMC\_** Complies with EN55022, EN61000-4-2, EN61000-4-3, EN61000-4-8
- Front Panel\_** Meets NEMA4 / IP65F

**CERTIFICATIONS**

CE, FCC approved

**OUTLET DIMENSIONS**

PV057-BST/LST/TST: 187.0 mm [7.36 "] W x 143.0 mm [5.63 "] H x 45.0 mm [1.77 "] T

**CUTOUT DIMENSIONS**

PV057-BST/LST/TST: 174.5 mm [6.88 "] W x 132.5 mm [5.22 "] H

**NET WEIGHT**

PV057-BST/LST/TST: 0.85 KG

All the specifications and photos are subjected to be changed without notice.

**PanelVisa HMI System**



Taiwan: Cermate Technologies Inc.  
China: Shenzhen Cermate Technologies Inc.

**ORDERING INFORMATION:**

- Model: PV Series; RISC 32 Bit CPU
- LCD Size: 057 = 5.7 Inches
- LCD Spec.: B= Blue Mode Monochrome CCFL STN LCD, 16 gray levels  
L= Monochrome STN LCD, 16 gray levels with LED backlight  
T= TFT CCFL Color STN LCD, 256 colors levels
- CPU I/O Specification: S= Serial Ports; N= LAN Port
- Operation Type: T=Touch Panel; K=Function Key
- CPU Board Port Specification : 2= standard type with 2 Serial Ports
- LCD Brand: K=Kyocera; N=Nanya; E=E-king; S=Sunlike
- Case Color : B0= black; C0= white; F0= sliver black; G0= sliver white