PV084-TNT/PV121-TNT

8,4"/12,1" Genuine 65535-colors TFT Touch panel

PV series Touch Panel, such as PV84 -TNT/PV121-TNT, are export HMIs with high functions and reasonable price answer to the needs for most of automation equipments and systems. High coordination screen with plentiful colors relieve high speed and high quality, The industrial standard desigh let PV products even meets harsh environment can still work for long an steady.

Features

- Portrait 90° display & normal horizontal display supported

- 100% quality test and industrial standard coating cases let PV look reliable and nice

- Adopts 32-bits hight function: High reliability and Fan-less ARM CPU

- Equipped with genuine 65535 true colors, high brightness TFT modules

- Provides 3 RS232/422/485 communication ports available in standard models

- The standard 128K battery backup memory, which can expand up to 1MB, allows storing Alarm, Recipe and historical data.

- Supports multi-languages, Windows build-in Fonts, BMP and JPG graphics and GIF animations

- Provides transparent communication for designers to save their program adjustment time

- The ultimate patent front panel design inspired customers to make their own membrane styles.

- The extension bus extends various customized devices, such as motion control, temperature control, communication module I/O module...

- High speed Ethernet port supports upload and download remote communication

INTRODUCTION

Apart from the basic functions other HMIs may have, PV supports most PLC, inverter and temperature controller drivers on the market. The ultimate patent front design inspired customers to make their own HMI membranestyles. In addition to completely communication interfaces, flexible hardware Ethernet TCP/IP operation. The modern outward, high brightness LCD with considerable memory automation, wise buildings and special tool machines.

SPECIFICATIONS

CPU_RISC 32 bit CPU
Display Type
TFT Colors STN, 65535 colors
Resolution
PV084 (8,4" diagonal) – PV121 (12,1" diagonal) -800x600
Communication 3 Serial Ports, COM1/COM2/COM3
USB Port: 2 Host Ver2.0 Full Speed Ports
Ethernet Port 10/100M Ethernet Port
Text Range 6x8 dot font ☐ 96x96 dot font/Windows Internal Font
Input Power DC20V☐DC28V
System Working Memory 64 MB SRAM Memory (Maximum 128MB)
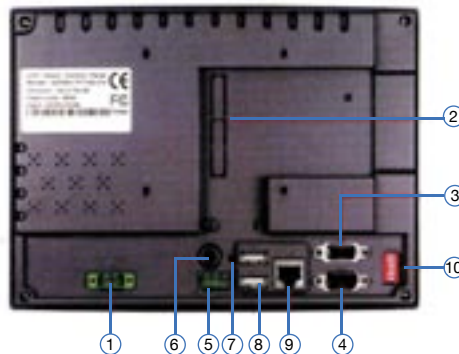**Program Application Memory** 16 MB Flash Memory (Maximum 64MB)
Battery Backup Memory 128KB ☐1MB (Optional)
Power Consumption 20W

PARTS INTRODUCTION

① DC24V Power Connector
② Extension Port (Ex. Profibus Module for Optional)
③ Com1 (RS232/422/485) BD9_Female
④ Com2 DB9_Male
⑤ Com2 (422/485) 4 pin Terminal
⑥ Com2 (RS232) Round_6pin_Female
⑦ Hardware Reset Key
⑧ USB Ver2.0 Full speed Host Port x 2
⑨ 10/100M Ethernet port
⑩ DIP_SW 1-6

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 1G 30 minutes)
EMI Compliens with FCC Part 15 Class A
EMC Compliens with EN55022, EN61000-4-2, EN61000-4-3, EN61000-4-8
Front Panel Meets NEMA4/IP65F

CERTIFICATIONS

CE, FCC approved

OUTLET DIMENSIONS

PV084: 232.5 mm [9,15"]W x 175.8 mm [6,75"] H x 49.0 mm [1,93"] T
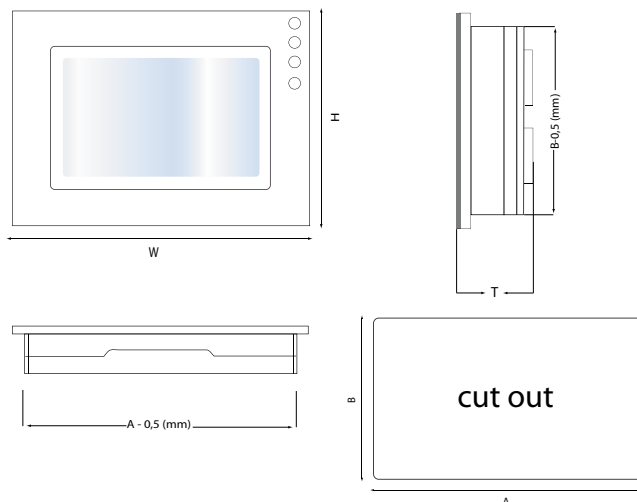PV1214: 315 mm [12,41"]W x 241 mm [9,49"] H x 54.5 mm [2,15"] T

CUTOUT DIMENSIONS

PV084: 221,5 mm [8,72"]A x 164 mm [6,46"] B
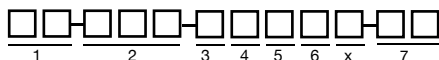PV121: 301,5 mm [11,87"]A x 228,0 mm [8,98"] B

NET WEIGHT

PV084-TNT : 0,9 Kg
PV121-TNT : 2,2 Kg

HMI SYSTEM

ORDERING INFORMATION

1) Model: PV Series; RISC 32 Bit CPU
2) LCD size: 084= 8,4 Inches; inches, : 121 = 12,1
3) LCD resolutions: T=800x600 Dots
4) CPU board I/O Specification: S=Serial Ports N=LAN Port F=Full Functions (LAN Port+CF Card)
5) Operation Type: T=Touch Panel; K=Function Key
6) CPU Board Port Specification: 3=Serial Type (3 Serial Ports); 4/8=Network Type (LAN+USB+COM, 4/8 Wire Touch)
7) Case color: B0= black C0=black; C0=white; F0 sliver black, G0=sliver white

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