

# VPD-173N / VPD-173N-64

## Quick Start Version 1.0

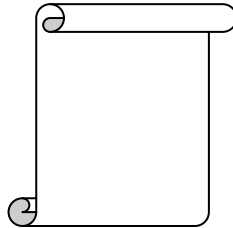
Thanks for buying a VPD-173N device.

### 1. What's in your package?

VPD-173N /  
VPD-173N-64



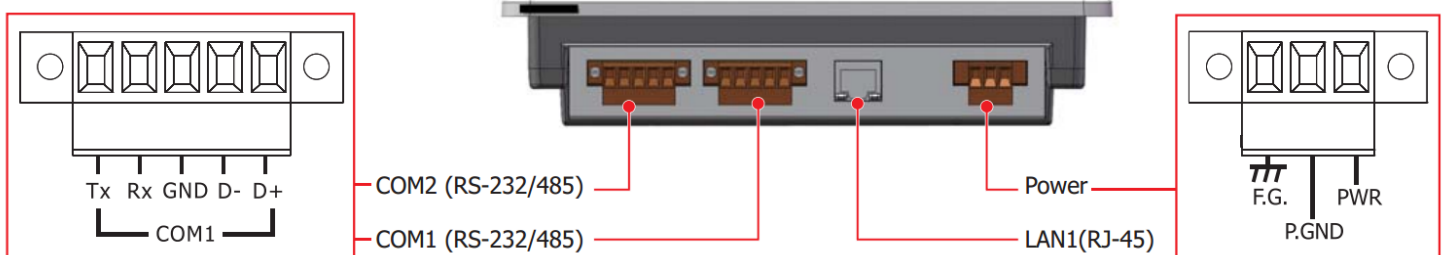
Quick Start



2.4mm screw driver



### 2. Pin Assignments



Power :

No	Mode	Description
0	F.G.	Frame Ground. F.G. is connected to the inside EMI or ESD suppression circuits. Make sure that F.G. is connected to the Earth
1	PWR	DC input Voltage (range: +12V ~ +48V)
2	GND	Connected to the power supply's ground pin

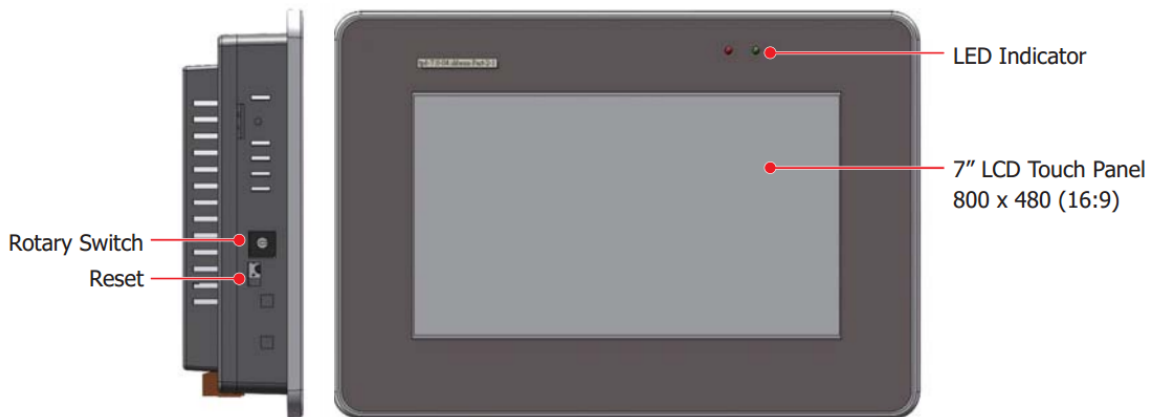
Serial ports :

No	Mode	Description
0	D+	The positive data line of the RS-485 network
1	D-	The negative data line of the RS-485 network
2	GND	The common ground of the RS-232
3	Rx	The pin of received data of the RS-232
4	Tx	The pin of transmitted data of the RS-232

The definition of the rotary switch:

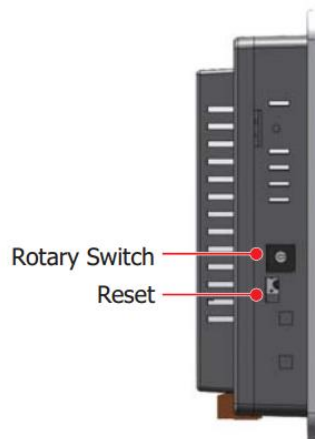
No	Mode	Description
0	Run & Update	Run or update the program. This mode is used in the development phase.
1	Force Update	If TPD has a serious crash, force TPD to update the program.
2	Run Only	Only run the program.

### 3. Appearance



### 4. First Use of VPD-173N series

1. Connect wires as the figure and set the rotary switch to zero.



2. Turn on the power supply to the VPD, and then you can see the default program run on it.



## 5. Creating First Project

To create your first project of the VPD series, install the free development tool, HMIWorks and then refer to <<TouchPAD\_getting\_started.pdf>>, which can be found on the FTP:

[ftp://ftp.icpdas.com/pub/cd/touchpad/document/english/getting\\_started](ftp://ftp.icpdas.com/pub/cd/touchpad/document/english/getting_started)

## Additional Links

TPD/VPD series product page:

[http://www.icpdas.com/root/product/solutions/hmi\\_touch\\_monitor/touchpad/touchpad\\_selection.html](http://www.icpdas.com/root/product/solutions/hmi_touch_monitor/touchpad/touchpad_selection.html)

Documents, such as the user manuals, the API references, etc.:

<ftp://ftp.icpdas.com/pub/cd/touchpad/document/english/>

Free development software, HMIWorks v2.09.15 or above:

<ftp://ftp.icpdas.com/pub/cd/touchpad/setup/>

If you have any problem, feel free to contact us.

✉ E-mail: [service@icpdas.com](mailto:service@icpdas.com)

# VPD-173N / VPD-173N-64

## 產品須知 版本 1.0

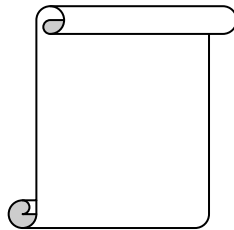
感謝您購買 VPD-173N 系列產品。

### 1. 檢查包裝內含物品

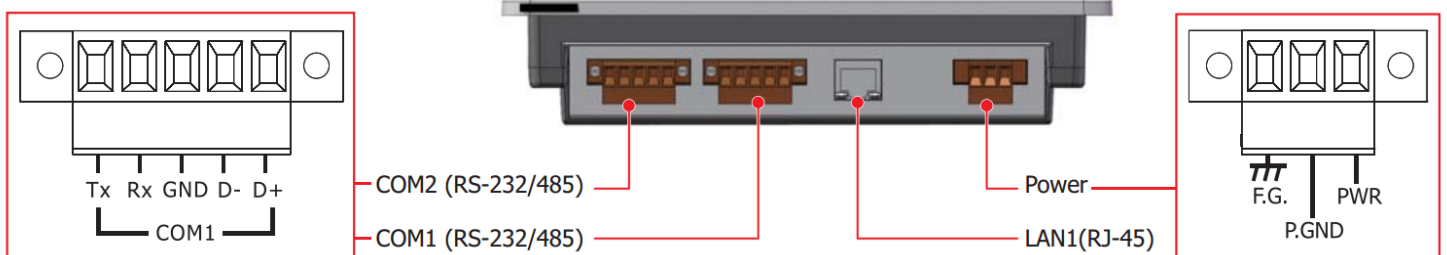
VPD-173N /  
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產品須知

2.4mm 螺絲刀



### 2. 接腳定義



電源：

No	Mode	Description
0	F.G.	機架接地，F.G. (連接到內部的 EMI 或 ESD 保護電路)，請接到大地
1	PWR	直流電壓輸入 (範圍：+12V ~ +48V)
2	GND	連到電源的接地端

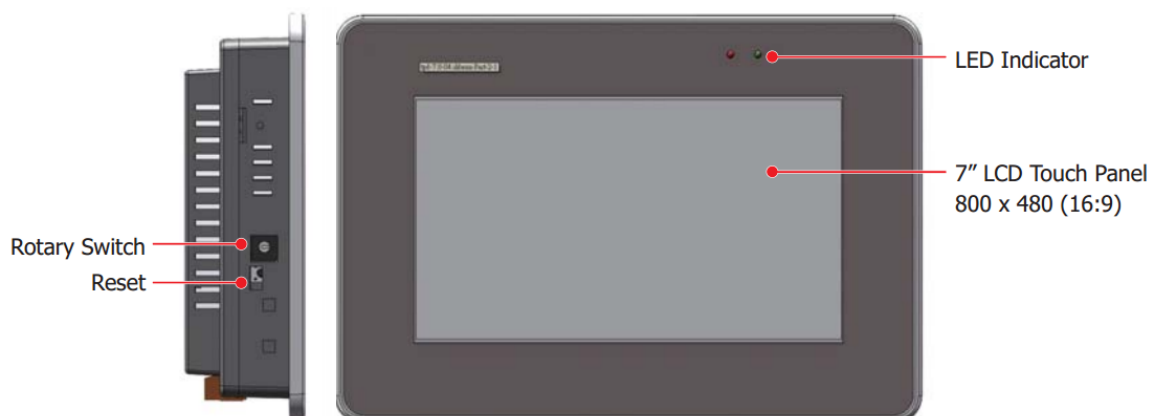
通訊介面：

No	Mode	Description
0	D+	RS-485 網路的正訊號線
1	D-	RS-485 網路的負訊號線
2	GND	RS-232 共同的接地點
3	Rx	RS-232 的接收資料腳位
4	Tx	RS-232 的傳送資料腳位

旋轉開關定義：

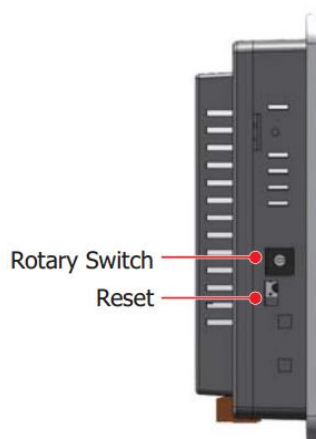
No	Mode	Description
0	Run &Update	執行或是更新程式，是程式開發階段使用的。
1	Force Update	當 TPD 上面的程式嚴重毀損時，強制更新程式。
2	Run Only	僅執行程式。

### 3. 外觀



### 4. 第一次使用 VPD-173N

1. 如圖所示，將電源和接地線連接完成。然後將旋轉開關 (rotary switch)轉到零。



2. 打開供電給 VPD 系列的電源，接著可以看到 VPD 系列執行出貨預附的程式如圖所示。



## 5. 建立第一個軟體專案

在建立 VPD 系列的第一個專案之前，請先安裝免費的開發軟體 HMIWorks。然後參考<<TouchPAD\_getting\_started.pdf>>這份文件，一步一步地完成。該份文件可以在下列 FTP 上找到：

[ftp://ftp.icpdas.com/pub/cd/touchpad/document/chinese/getting\\_started](ftp://ftp.icpdas.com/pub/cd/touchpad/document/chinese/getting_started)

### 下面的連結有更多的資訊

- ☑ TPD/VPD 系列產品的網址：

[http://www.icpdas.com/root/product/solutions/hmi\\_touch\\_monitor/touchpad/touchpad\\_selection.html](http://www.icpdas.com/root/product/solutions/hmi_touch_monitor/touchpad/touchpad_selection.html)

- ☑ 文件，如使用手冊、API 函數手冊等。

<ftp://ftp.icpdas.com/pub/cd/touchpad/document/chinese/>

- ☑ 免費的開發軟體，HMIWorks (版本 2.09.15 或以上版本)：

<ftp://ftp.icpdas.com/pub/cd/touchpad/setup/>

- ☑ 如果您有什麼問題，歡迎來信連繫。

✉ 電子郵件：[service@icpdas.com](mailto:service@icpdas.com)