

VPD-14x Series

Thanks for buying VPD-14x series device.

1. What's in your package?

VPD-142/VPD-143

or

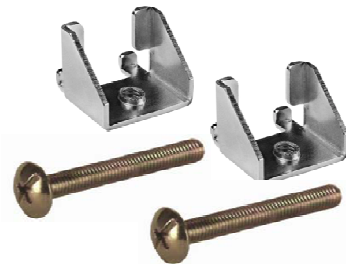
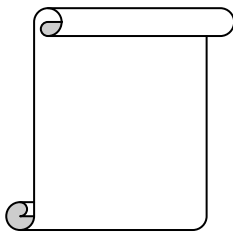
VPD-142N/ VPD-143N



Release note

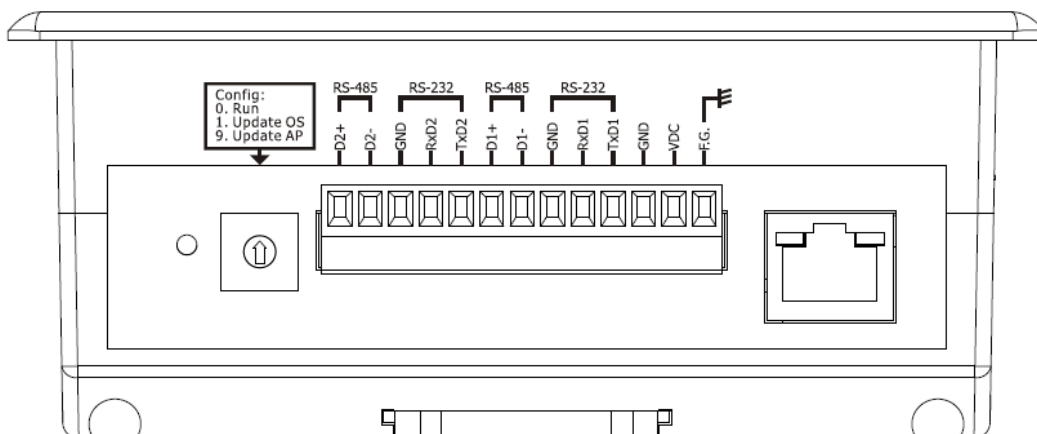
2.4mm screw driver

Panel mounting kit



2. Pin Assignments

On the bottom of the VPD-142/VPD-142N/VPD-143/VPD-143N:



The pin assignments:

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	VDC	DC input Voltage (range: +12V ~ +48V)
2	GND	Connected to the power supply's ground pin
3	TxD1	The pin of transmitted data of the RS-232
4	RxD1	The pin of received data of the RS-232
5	GND	The common ground of the RS-232
6	Data1+	The positive data line of the RS-485 network
7	Data1-	The negative data line of the RS-485 network
8	TxD2	The pin of transmitted data of the RS-232
9	RxD2	The pin of received data of the RS-232
10	GND	The common ground of the RS-232
11	Data2+	The positive data line of the RS-485 network
12	Data2-	The negative data line of the RS-485 network

The definition of the rotary switch:

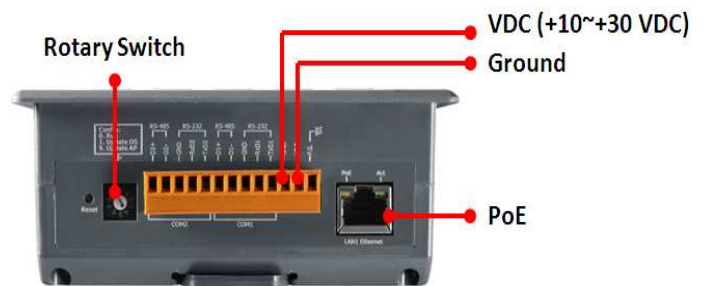
No	Mode	Description
0	Run	This mode is used to run the application. (Only one application on a TouchPAD.)
1	Update OS	Update operating system of TouchPAD.
9	Update AP	Download applications to TouchPAD.

3. Appearance

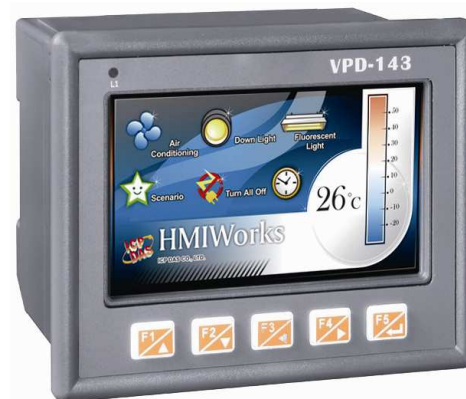


4. First Use of VPD-130/VPD-130N

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



2. Turn on the power supply to the VPD-14x. The default program will run on it. (Demo room)



3. Try to touch on the icons on the bottom-right corner of the screen of the VPD-14x series and you can find that VPD-14x switches to the setting pages.

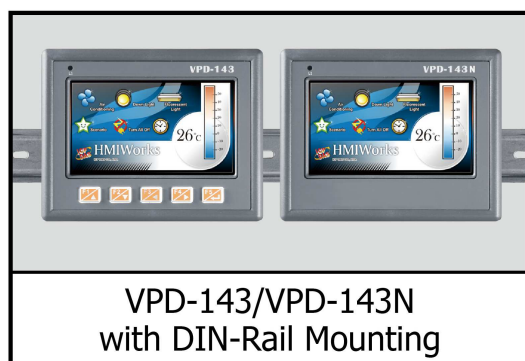
5. Hardware Installation

To create your first project of the VPD-14x series, install the free development tool, HMIWorks and then refer to <<TouchPAD_getting_started.pdf>>, which can be found on the FTP:

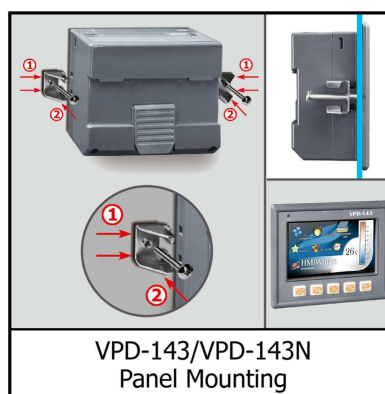
ftp://ftp.icpdas.com/pub/cd/touchpad/document/english/getting_started

6. Hardware Installation

The DIN-rail mounting of VPD-14x series



The panel mounting of VPD-14x series



7. Additional Links

- TouchPAD product page:
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 v2.06.00 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

VPD-14x 系列

感謝您購買 VPD-14x 系列產品。

1. 檢查包裝內含物品

VPD-142/143

or

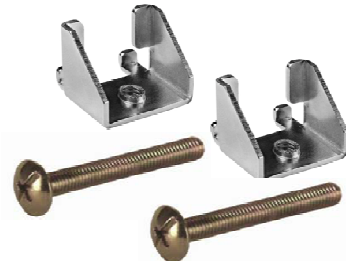
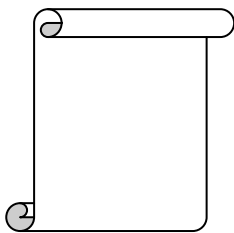
VPD-142N/VPD-143N



產品須知

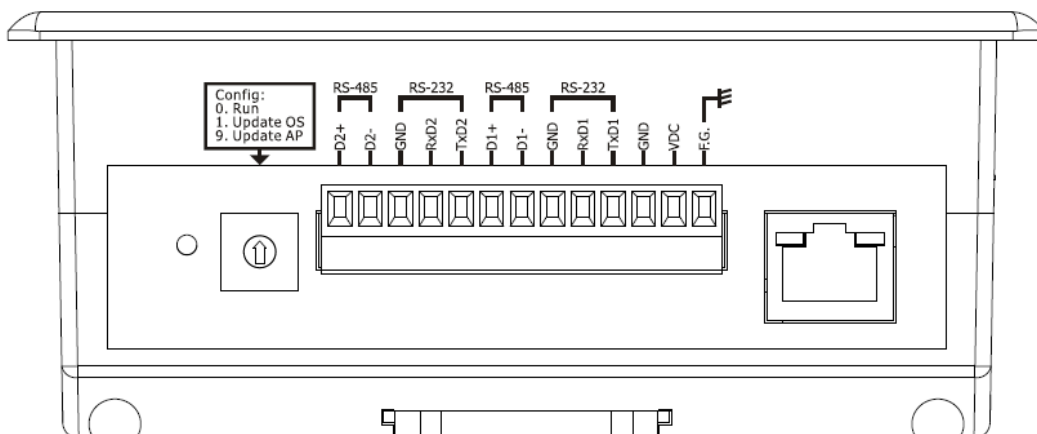
2.4mm 螺絲刀

面板安裝組件



2. 接腳定義

在 VPD-142/VPD-142N/VPD-143/VPD-143N 的下方，如下圖樣：



接腳定義：

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	VDC	直流電壓輸入 (範圍：+12V ~ +48V)
2	GND	連到電源的接地端
3	TxD1	RS-232 的傳送資料腳位
4	RxD1	RS-232 的接收資料腳位
5	GND	RS-232 共同的接地點
6	Data1+	RS-485 網路的正訊號線
7	Data1-	RS-485 網路的負訊號線
8	TxD2	RS-232 的傳送資料腳位
9	RxD2	RS-232 的接收資料腳位
10	GND	RS-232 共同的接地點
11	Data2+	RS-485 網路的正訊號線
12	Data2-	RS-485 網路的負訊號線

旋轉開關(rotary switch)的定義：

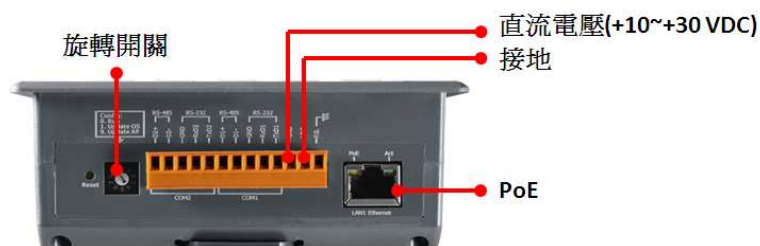
項次	模式	說明
0	Run	執行程式。
1	Update OS	更新作業系統(Operating System)。
9	Update AP	更新應用程式(Applications)。

3. 外觀

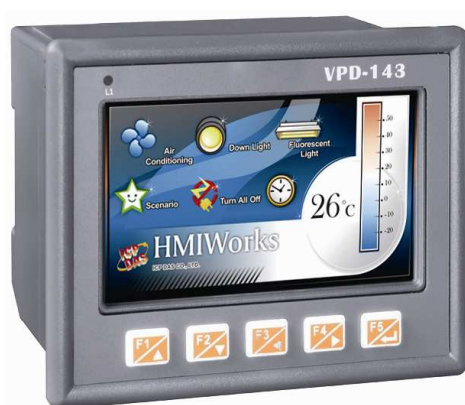


4. 第一次使用 VPD-14x 系列

1. 將電源和接地線連接完成並將旋轉開關(rotary switch)轉至零。



2. 打開供電給 VPD-14x 系列的電源，出貨預附的程式如圖所示。(Demo room)



3. 試著按一下右下角的圖示，VPD-14x 會切到時間或是日期的設定頁面。

5. 建立第一個軟體專案

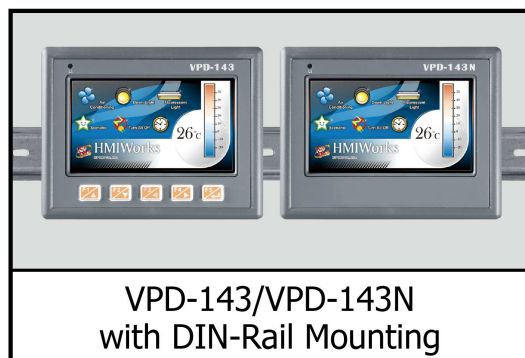
在建立 VPD-14x 系列的第一個專案之前，請先安裝免費的開發軟體 HMIWorks。然後參考<<TouchPAD_getting_started.pdf>>這份文件，一步一步地完成。該份文件可以在下列 FTP 上找到：

ftp://ftp.icpdas.com/pub/cd/touchpad/document/chinese/getting_started

6. 硬體安裝

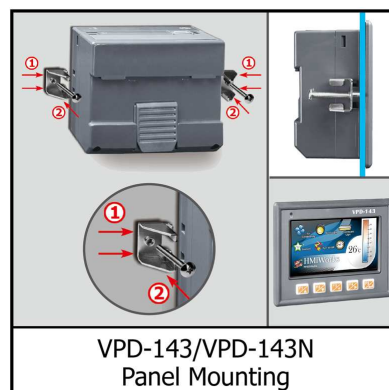
VPD-14x 系列的導軌安裝

(DIN-rail mounting)



VPD-14x 系列的面板安裝

(Panel mounting)



7. 下面的連結有更多的資訊

☑ TouchPAD 系列產品的網址：

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 2.05.03 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