

VPD-133-H/133N-H

Quick Start Version 1.0

1 Shipping package

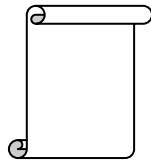
Thanks for buying ICPDAS VPD-133-H/133N-H device. This shipping package contains the following items:

VPD-133-H Series x 1



VPD-133N-H or VPD-133-H

Quick Start x 1



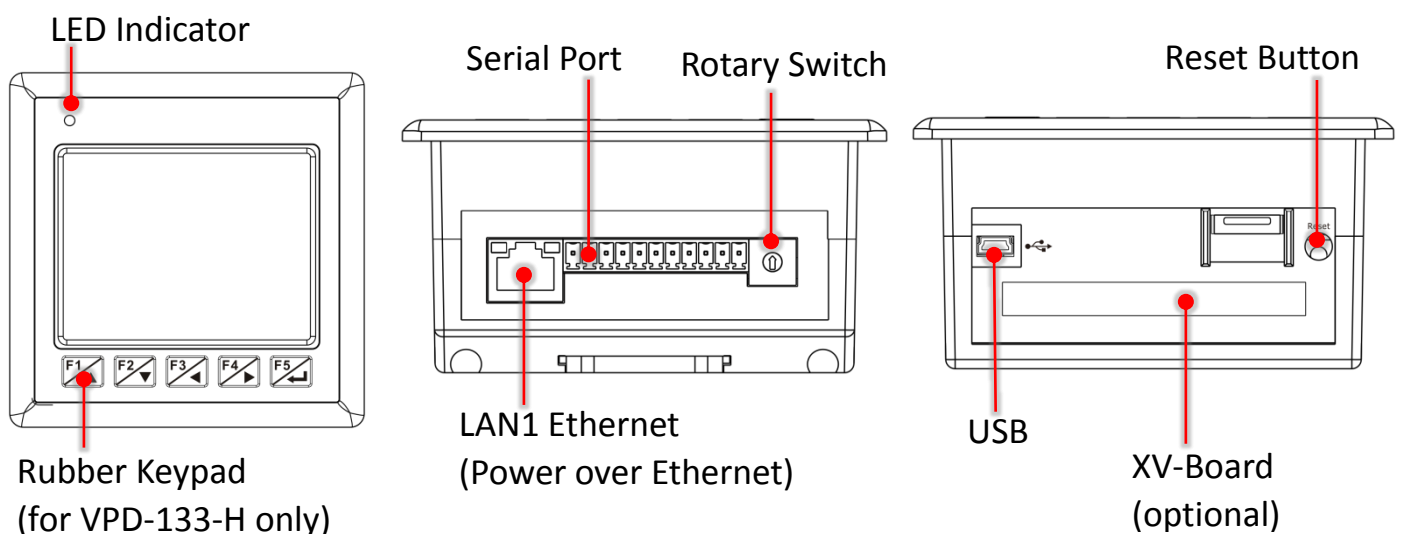
Screw Driver x 1



Panel Mounting kit x 1

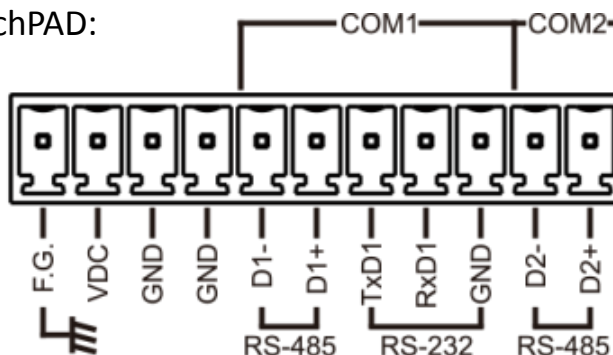


2 Appearance



3 Pin Assignment

On the bottom of the TouchPAD:



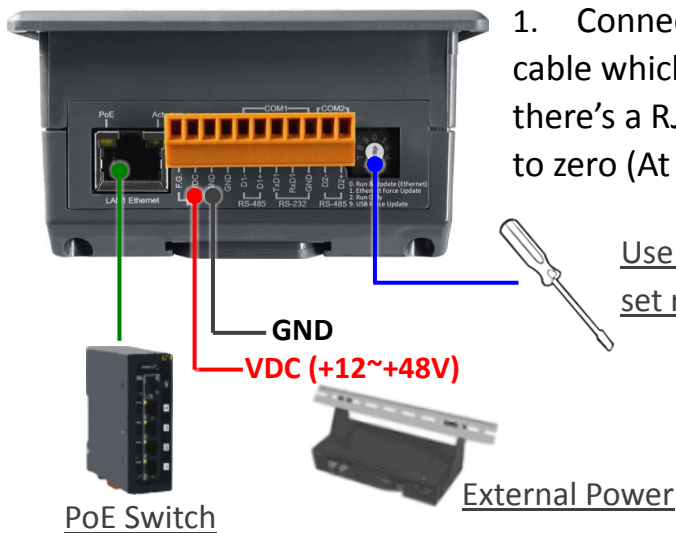
The pin assignments:

Pin	Description
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
VDC	DC input Voltage (range: +12 V ~ +48 V)
GND	Connected to the power supply's ground pin
GND	Ground pin
D1-	The negative data line of the RS-485 network
D1+	The positive data line of the RS-485 network
TxD1	The pin of transmitted data of the RS-232
RxD1	The pin of received data of the RS-232
GND	The common ground of the RS-232
D2-	The negative data line of the RS-485 network
D2+	The positive data line of the RS-485 network

The definition of the rotary switch:

No	Mode	Description
	0	Run & Update (Ethernet) This is a special run mode which is used in the development stage. The TouchPAD device can be updated by a PC from the remote side through Ethernet.
	1	Ethernet Force Update While the application run on the TouchPAD device seriously crashes, use this mode to update a new application to the TouchPAD device through Ethernet.
	2	Run Only This mode is used for running programs.
	9	USB Force Update While the application run on the TouchPAD device seriously crashes, use this mode to update a new application to the TouchPAD device through USB.

4 First Use of the VPD-133(N)-H



1. Connect wires as the figure or prepare an Ethernet cable which will be used to supply power through PoE if there's a RJ-45 Ethernet port on it. And set the rotary switch to zero (At this point, the power is not yet supplied).

Use a flat-head screwdriver to set rotary switch

2. Supply power to the VPD-133-H/133N-H, wait for several seconds and then you can see the default program run on it.
3. Try to touch on the icons on the bottom-right corner of the screen of the VPD-133-H/133N-H and you can find that VPD-133-H/133N-H switches to the setting pages.



5 Creating First Project

To create your first project of the VPD-133-H/133N-H, install the free development tool, HMIWorks and then refer to <<TouchPAD_programming_guide.pdf>>, which can be found on the FTP:

http://ftp.icpdas.com/pub/cd/touchpad/document/english/programming_guide/

6 Hardware Installation

The panel mounting of VPD-133-H/133N-H

Insert the panel mounting clips into the upper and lower ventilation holes.

Screw the panel mounting clips to the panel. (Mounting Screw: M4 x 30L)



The DIN-rail Mounting of VPD-133-H/133N-H



7 Related Information

- VPD-133-H/133N-H Product Page:
http://www.icpdas.com/root/product/solutions/hmi_touch_monitor/touchpad/vpd-130-h.html
- Documents, such as the user manuals, the API references, etc.:
<ftp://ftp.icpdas.com/pub/cd/touchpad/document/english/>
- Free Development Software, HMIWorks v2.10.10 or above:
<ftp://ftp.icpdas.com/pub/cd/touchpad/setup/>

If you have any questions, please feel free to contact us via email at:
service@icpdas.com, service.icpdas@gmail.com

VPD-133-H/133N-H

快速入門指南 版本 1.0

1 檢查配件

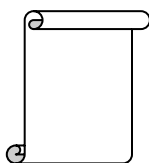
感謝您購買泓格的 VPD-133-H/133N-H 產品。產品包裝內應包含下列配件：

VPD-133-H 系列 x 1



VPD-133N-H 或 VPD-133-H

入門指南(本文件) x 1



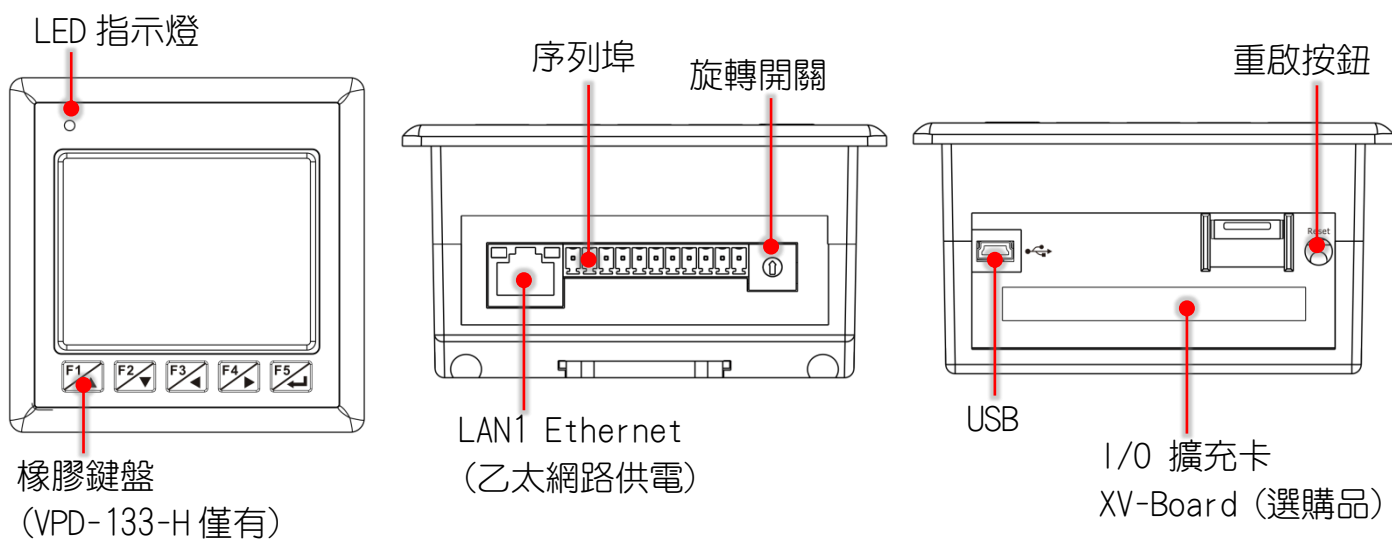
螺絲刀 x 1



面板安裝組件 x 1

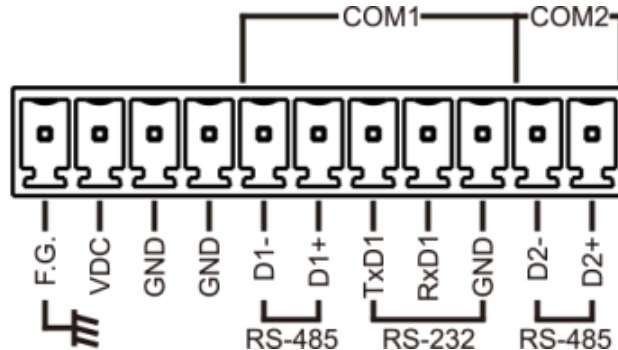


2 外觀



3 腳位定義

在 VPD-133-H/133N-H 下方，
可見到如右圖序列埠：



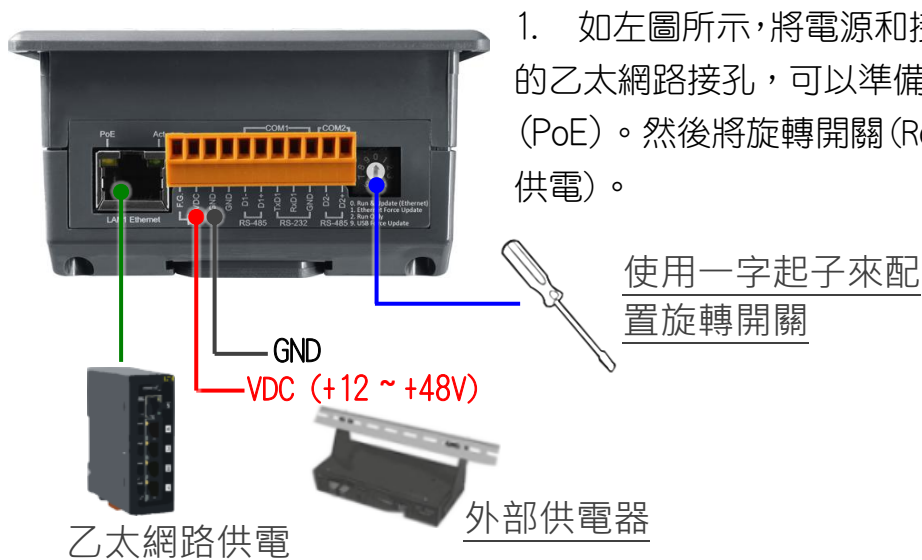
腳位定義：

Pin	說明
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。
VDC	直流電壓輸入（範圍：+12 V ~ +48 V）
GND	連到電源的接地端
GND	接地端
D1-	RS-485 網路的負訊號線
D1+	RS-485 網路的正訊號線
TxD1	RS-232 的傳送資料腳位
RxD1	RS-232 的接收資料腳位
GND	RS-232 的接地端
D2-	RS-485 網路的負訊號線
D2+	RS-485 網路的正訊號線

旋轉開關（Rotary Switch）的配置模式定義：

	項次	模式	說明
	0	Run & Update (Ethernet)	執行/更新程式，用於程式開發階段（能執行程式，也能進行更新）。
	1	Ethernet Force Update	強制更新，當 TouchPAD 上的程式嚴重毀損時可透過此模式用 Ethernet 更新。
	2	Run Only	執行程式（只能執行程式，不能進行更新）。
	9	USB Force Update	強制更新，當 TouchPAD 上的程式嚴重毀損時可透過此模式用 USB 更新。

4 第一次使用 VPD-133(N)-H



2. 開始供電給 VPD-133-H/133N-H，等待約數秒的開機時間，接著可以看到 VPD-133-H/133N-H 執行出貨預附的程式如圖所示。

3. 試著按一下 VPD-133-H/133N-H 螢幕上面的圖示，VPD-133-H/133N-H 會切到其他的頁面。

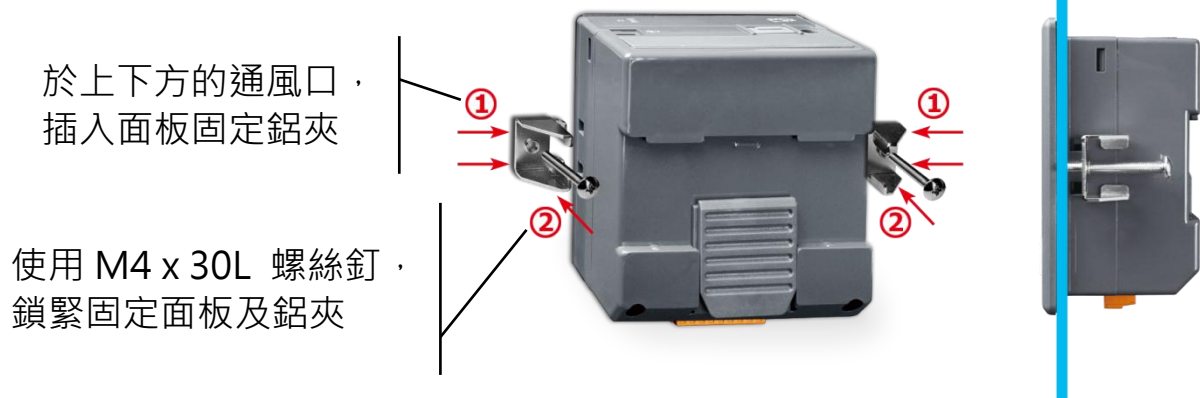


5 建立第一個軟體專案

在建立 VPD-133-H/133N-H 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_programming_guide.pdf >> 這份文件，一步一步地完成。該份文件可以在 FTP 上找到：http://ftp.icpdas.com/pub/cd/touchpad/document/chinese/programming_guide/

6 硬體安裝

VPD-133-H/133N-H 的面板安裝 (Panel Mounting)



VPD-133-H /133N-H 導軌安裝 (DIN-rail Mounting)



7 參考資訊

- VPD-133-H/133N-H 產品網頁：
http://www.icpdas.com/root/product/solutions/hmi_touch_monitor/touchpad/vpd-130-h_tc.html
- 相關文件，如使用手冊、API 函數手冊…等：
<http://ftp.icpdas.com/pub/cd/touchpad/document/chinese/>
- 免費開發軟體，HMIWorks 版本 2.10.10 或以上版本：
<ftp://ftp.icpdas.com/pub/cd/touchpad/setup/>

如有任何問題歡迎聯繫我們，我們將會為您提供完善的諮詢服務：

E-mail: service@icpdas.com, service.icpdas@gmail.com