



# TPD-283-H/283U-H Quick Start

v1.1, Jan. 2019

## What's in the box?

Thanks for buying ICPDAS TPD 2.8 inch H series device. This shipping package contains the following items:



TPD-283-H/283U-H x 1



Quick Start x 1 (This Document)

## Related Information

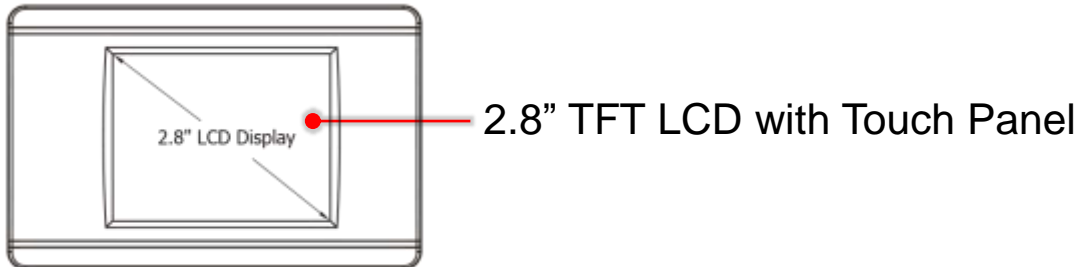
If you are new to TPD-283-H/283U-H, please read the “**Chapter 3. Getting Started**” of the **TouchPAD Hardware User Manual** for detailed information about install the free development tool – HMIWorks and how to create your first project.

- Documents, such as the User Manuals, the API References, etc.: <http://ftp.icpdas.com/pub/cd/touchpad/document/>
- Free Development Software, HMIWorks v2.10.10 or above: <http://ftp.icpdas.com/pub/cd/touchpad/setup/>

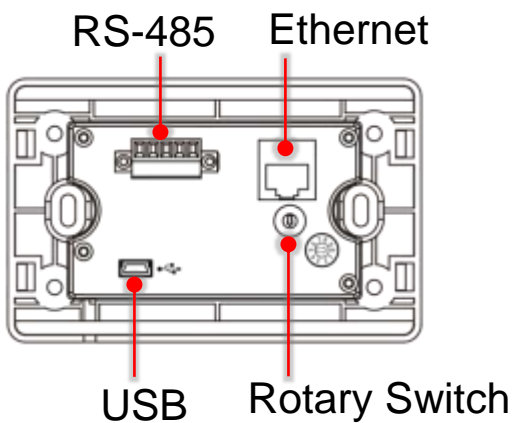
If you have any questions, please feel free to contact us via email.

# 1 Appearance

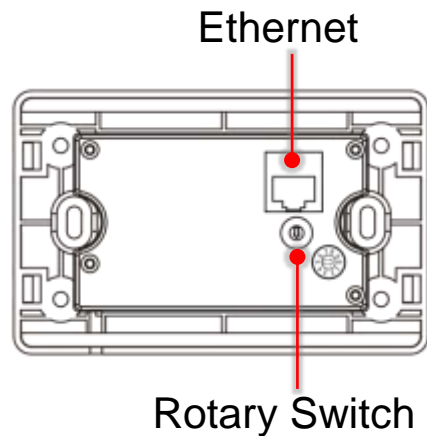
## Front View



## TPD-283U-H Rear View

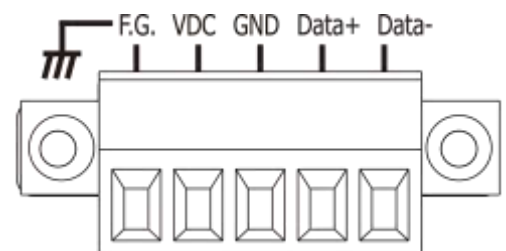


## TPD-283-H Rear View



# 2 Pin Assignments

## On the back of the TPD-283U-H




No	Pin	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: +12 V ~ +48 V)
2	GND	Connected to the power supply's ground pin
3	Data+	The positive data line of the RS-485 network
4	Data-	The negative data line of the RS-485 network


# 3

## Rotary Switch & Default Settings

The definition of the rotary switch (TPD-283-H):

	No	Mode	Description
	0	Run & Update	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. <b>(Default)</b>
	1	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	Run the program.

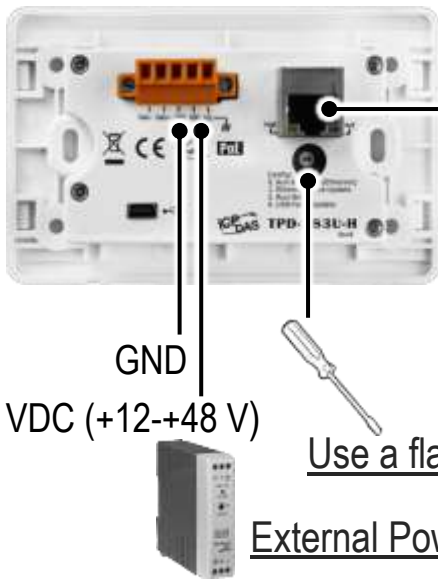
The definition of the rotary switch (TPD-283U-H):

	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. <b>(Default)</b>
	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	Run the program.
	9	USB Force Update	Update a new application to the TouchPAD device through USB.

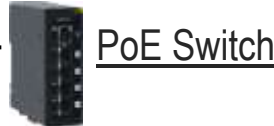
### Network Default Settings

IP Address	192.168.255.1
Subnet Mask	255.255.0.0
Gateway	192.168.0.1

# 4 First Use of the TPD 2.8" H Series



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 0 (At this point, the power is not yet supplied).



PoE Switch

Use a flat-head screwdriver to set rotary switch



External Power

2. Supply power to the TPD-283-H/283U-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 TPD-283-H/283U-H and you can find that TPD-283-H/283U-H switches to the setting pages.



# 5 Hardware Installation

External Wall Box, EWB-T28 (optional)

Outlet Box, OB120 (optional)





# TPD-283-H/283U-H 快速入門指南

v1.1, 2019 年 1 月

## 檢查配件

感謝您購買泓格的 TPD 2.8 吋 H 系列產品。產品包裝內應包含下列配件：



TPD-283-H/283U-H x 1



產品須知 x 1 (本文件)

## 參考資訊

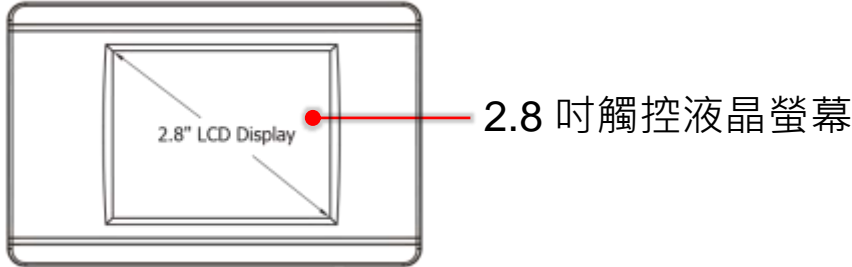
如果您是第一次使用 TPD-283-H/283U-H，請參閱 **TouchPAD 硬體使用手冊** 的“**第 3 章 啟動 TouchPAD**”來了解如何安裝免費的開發軟體 HMIWorks 並建立第一個專案以及更多詳細的相關資訊。

- 相關文件，如使用手冊、應用程式介面指南(API Reference) 等：  
<http://ftp.icpdas.com/pub/cd/touchpad/document/>
- 免費開發軟體，HMIWorks 版本 2.10.10 或以上版本：  
<http://ftp.icpdas.com/pub/cd/touchpad/setup/>

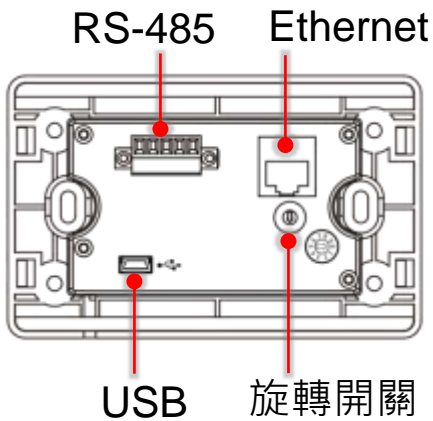
如有任何問題歡迎使用 E-mail 聯繫我們，我們將會為您提供完善的諮詢服務。

# 1 外觀

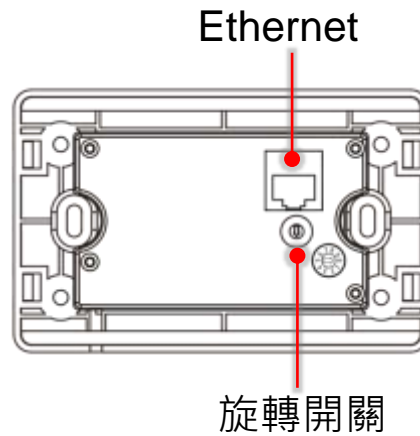
## 前配置圖



## TPD-283U-H 後配置圖

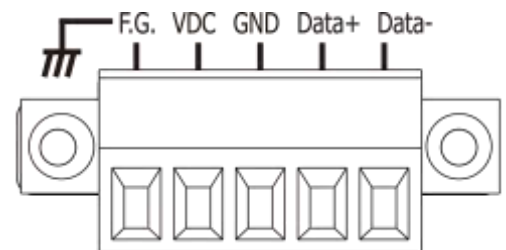


## TPD-283-H 後配置圖



# 2 腳位定義

在 TPD-283U-H 的背面可見到如右圖樣



No	Pin	說明
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：+12 V ~ +48 V)
2	GND	連到電源的接地端
3	Data+	RS-485 網路的正訊號線
4	Data-	RS-485 網路的負訊號線


# 3

## 旋轉開關及出廠預設值

### TPD-283-H 旋轉開關的配置模式定義:

	No	模式	說明
	0	Run & Update	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)。(出廠預設)
	1	Force Update	強制更新，當 TouchPAD 上的程式嚴重毀損時可用此模式透過 Ethernet 更新。
	2	Run Only	執行程式。

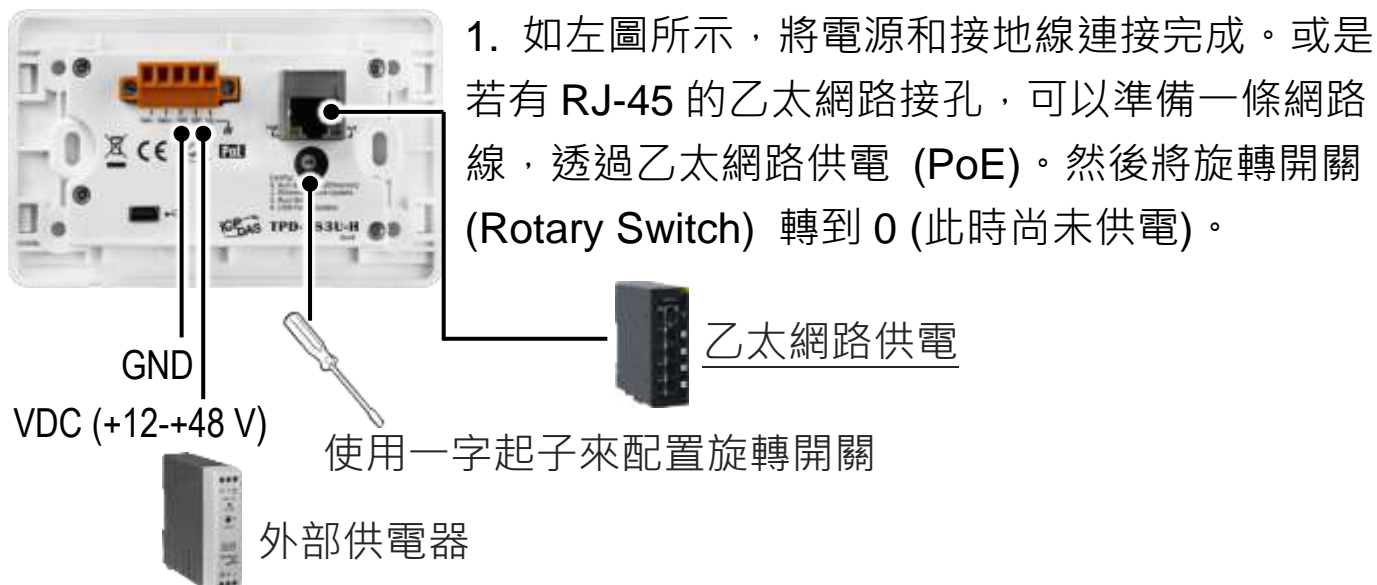
### TPD-283U-H 旋轉開關的配置模式定義:

	No	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)。(出廠預設)
	1	Ethernet Force Update	強制更新，當 TouchPAD 上的程式嚴重毀損時可用此模式透過 Ethernet 更新。
	2	Run Only	執行程式。
	9	USB Force Update	透過 USB 更新程式。

### 網路設定出廠預設如下表:

IP Address	192.168.255.1
Subnet Mask	255.255.0.0
Gateway	192.168.0.1

# 4 第一次使用 TPD 2.8” H 系列



2. 開始供電給 TPD-283-H/283U-H，等待約數秒的開機時間，接著可以看到 TPD-283-H/283U-H 執行出貨預附的程式如右圖所示。



3. 試著按一下 TPD-283-H/283U-H 螢幕上面的圖示，TPD-283-H/283U-H 會切到其他的頁面。

# 5 硬體安裝

安裝於專用明盒 EWB-T28(選購)



安裝於專用暗盒 OB120 (選購)

