

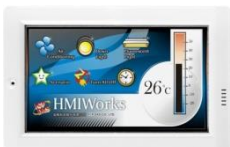
# TPD-430-H/430-H-EU

## Quick Start

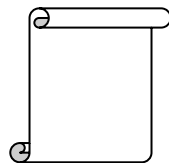
# 1 Shipping package

Thanks for buying ICPDAS TPD-430-H/430-H-EU device. This shipping package contains the following items:

TPD-430-H/430-H-EU x1



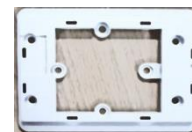
Quick Start x1



Back Piece x1



(For TPD-430-H)



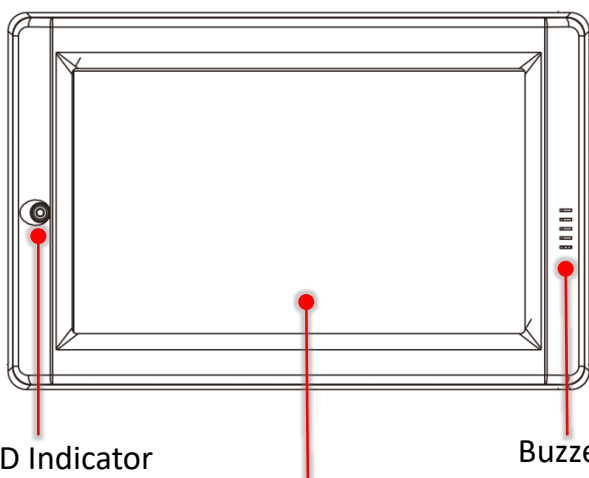
(For TPD-430-H-EU)

PET Film Screen Protector  
57 mm x 98 mm x1



# 2 Appearance

Front View

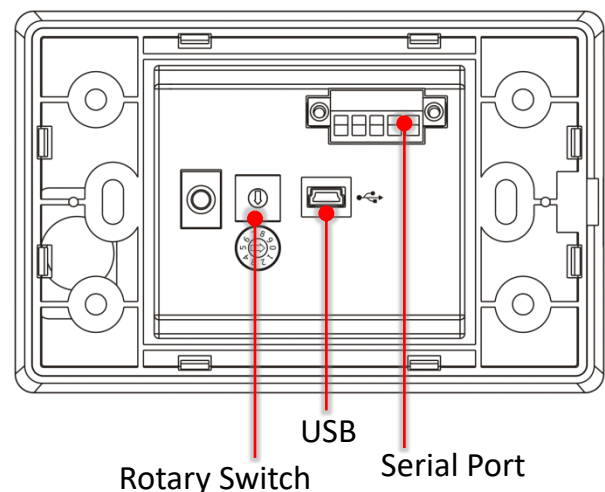


LED Indicator

Buzzer

4.3" TFT LCD with Touch Panel

Rear View



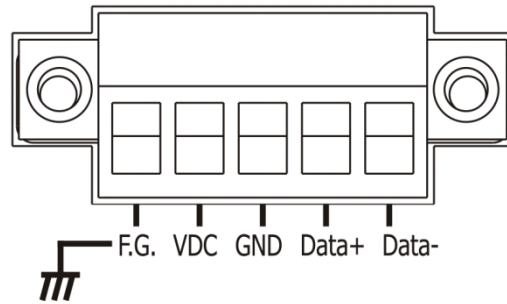
Rotary Switch

USB

Serial Port

# 3 Pin Assignment

On the back of the TouchPAD:



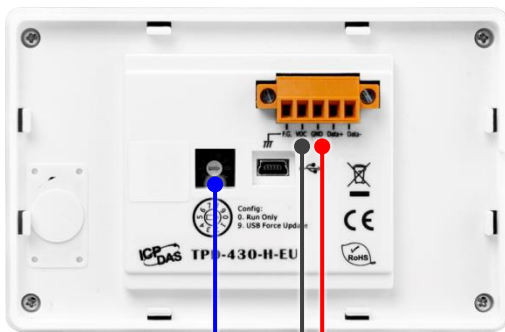
The pin assignments:

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
Data+	The positive data line of the RS-485 network
Data-	The negative data line of the RS-485 network

The definition of the rotary switch:

	No	Mode	Description
	0	Run Only	Run the program.
	9	USB Force Update	Update a new application to the TouchPAD device through USB.

# 4 First Use of the TPD-430-H Series



1. Connect wires as the figure. And set the rotary switch to zero (At this point, the power is not yet supplied).

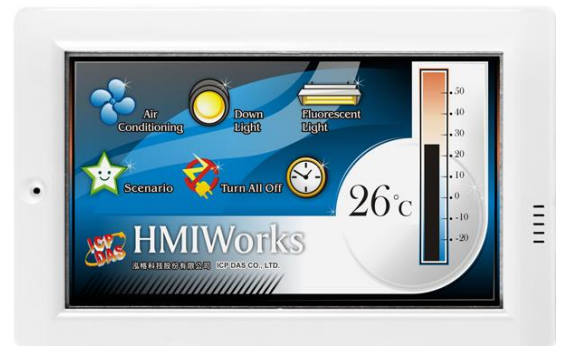
VDC (+12~+48V)  
GND



Use a flat-head screwdriver to set rotary switch

External Power

2. Supply power to the TPD-430-H/430-H-EU, wait for several seconds and then you can see the default program run on it.
3. Try to touch on the icons on the screen of the TPD-430-H/430-H-EU and you can find that TPD-430-H/430-H-EU switches to another page.



# 5 Creating First Project

To create your first project of the TPD-430-H/430-H-EU, 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/programming\\_guide/](ftp://ftp.icpdas.com/pub/cd/touchpad/document/english/programming_guide/)

# 6 Hardware Installation

TPD-430-H-EU with European 86 mm x 86 mm Outlet Box	TPD-430-H with Outlet Box, OB120 (optional)	TPD-430-H with External Wall Box EWB-T43 (optional)
		

# 7 Related Information

- TPD-430-H/430-H-EU Product Page:  
[http://www.icpdas.com/root/product/solutions/hmi\\_touch\\_monitor/touchpad/tpd-430-h.html](http://www.icpdas.com/root/product/solutions/hmi_touch_monitor/touchpad/tpd-430-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 v2.10.02 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](mailto:service@icpdas.com), [service.icpdas@gmail.com](mailto:service.icpdas@gmail.com)

# TPD-430-H/430-H-EU

## 快速入門指南

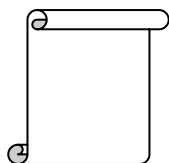
# 1 檢查配件

感謝您購買泓格的 TPD-430-H/430-H-EU 產品。產品包裝內應包含下列配件：

TPD-430-H/430-H-EU x1



快速入門指南 x1



面板蓋 x1



(TPD-430-H 僅有)



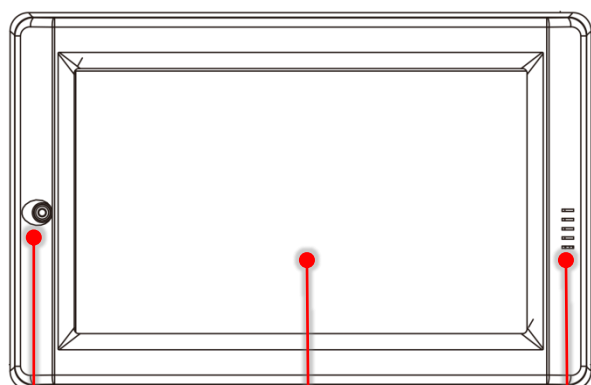
(TPD-430-H-EU 僅有)

PET 螢幕防刮膜  
57 mm x 98 mm x1



# 2 外觀

前配置圖

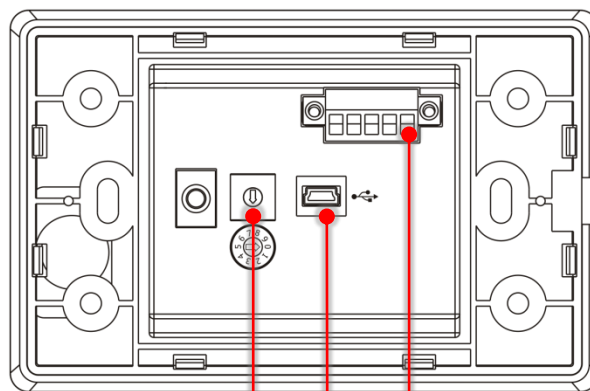


LED 指示燈

4.3 吋觸控液晶螢幕

蜂鳴器

後配置圖



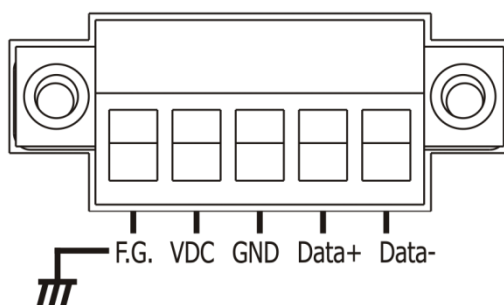
旋轉開關

USB

序列埠

# 3 腳位定義

在 TouchPAD 的背面可見到如下圖樣：



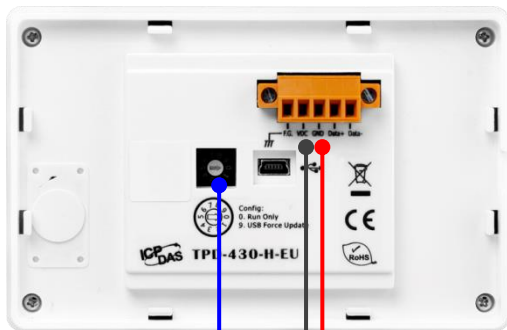
腳位定義：

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
Data+	RS-485 網路的正訊號線
Data-	RS-485 網路的負訊號線

旋轉開關（Rotary Switch）的配置模式定義：

	項次	模式	說明
	0	Run Only	執行程式。
	9	USB Force Update	透過 USB 更新程式。

# 4 第一次使用 TPD-430-H 系列



使用一字起子來配  
置旋轉開關

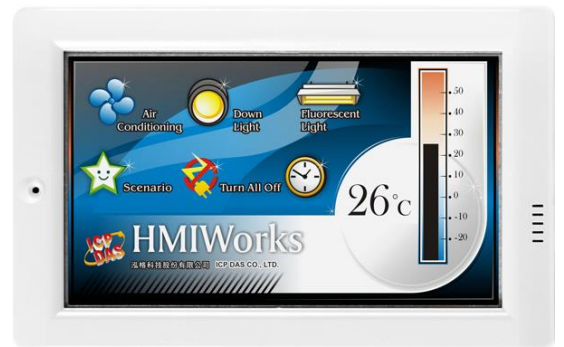


外部供電器

1. 如左圖所示，將電源和接地線連接完成。然後將旋轉開關 (Rotary Switch) 轉到 0 (此時尚未供電)。

2. 開始供電給 TPD-430-H/430-H-EU，等待約數秒的開機時間，接著可以看到 TPD-430-H/430-H-EU 執行出貨預附的程式如圖所示。

3. 試著按一下 TPD-430-H/430-H-EU 螢幕上面的圖示，TPD-430-H/430-H-EU 會切到其他的頁面。



# 5 建立第一個軟體專案

在建立 TPD-430-H/430-H-EU 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 FTP 上找到：[ftp://ftp.icpdas.com/pub/cd/touchpad/document/chinese/programming\\_guide/](ftp://ftp.icpdas.com/pub/cd/touchpad/document/chinese/programming_guide/)

# 6 硬體安裝

TPD-430-H-EU 安裝於歐規 86 mm x 86mm 插座	TPD-430-H 安裝於暗盒 OB120 (選購)	TPD-430-H 安裝於專用明盒 EWB-T43(選購)
		

# 7 參考資訊

- TPD-430-H/430-H-EU 產品網頁：  
[http://www.icpdas.com/root/product/solutions/hmi\\_touch\\_monitor/touchpad/tpd-430-h\\_tc.html](http://www.icpdas.com/root/product/solutions/hmi_touch_monitor/touchpad/tpd-430-h_tc.html)
- 相關文件，如使用手冊、API 函數手冊…等：  
<ftp://ftp.icpdas.com/pub/cd/touchpad/document/english/>
- 免費開發軟體，HMIWorks 版本 2.10.02 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](mailto:service@icpdas.com), [service.icpdas@gmail.com](mailto:service.icpdas@gmail.com)