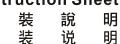
# **Industrial Ethernet DVW** series **Instruction Sheet**



Wireless AP / WDS / Client / Gateway 工業級無線 AP / WDS / Client / Gateway 工业级无线 AP / WDS / Client / 网关





**ENGLISH** 

# /!\ Warning

- √ This instruction sheet only provides information on electrical specifications, general specifications, installation and
- ✓ The components and the IC on the circuit board can be easily damaged by static electricity; therefore DO NOT touch them before precautions against static electricity are done. To prevent the danger and damage from occurring, people who are not maintenance staff should not operate or accidentally hit the body of the DVW series device. Besides, DO NOT touch any terminal when the power is switched on.
- ✓ Please read this instruction sheet thoroughly, and follow the instructions to prevent the damage to the device or injury to the staff.

#### **1** Introduction

Thank you for purchasing the DVW Wireless device. The DVW series of wireless devices are equipped with the intelligent alarm, digital input function, and allow the wide range of operating temperature (-40 to 75°C). The DVW series of wireless devices are designed to support the application in any rugged environment and comply with UL, CE, FCC and SRRC standards

## **9** Functions

- 1. 10/100/1000Base-T (RJ45)
- 2 IEEE 802 3/802 3µ/802 3ab/802 3x 3. IEEE 802.11 a/b/g/n
- 4. Auto-negotiation speed
- 5. Auto-MDI/MDI-X

#### **©** Package Checklist

- 1. One Delta DVW Wireless AP/WDS/Client/Gateway x1
- 2. Omni-directional Antenna x3
- 3. Wall Mounting Plate x1
- 4. USB Type A to Type B Console Cable x1
- 5. User Manual and Software CD
- 6. Instruction Sheet

## **9** Installation

#### ■ DIN-Rail Mounting

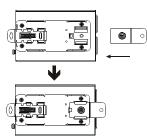
| Mounting  | ◆ Removal   |
|---|---|
| Step 1: Hook the upper end of the DIN clip of the DVW series of wireless devices on the | Step 1: Insert the flat-blade screwdriver into the DIN clip and pull the DIN clip downward. |
| DIN-Rail.   | Step 2: Pull the DVW series of wireless devices, and  |
| Step 2: Lightly push the DVW series of wireless   | you can remove it from the DIN-Rail.  |
| devices toward the DIN-Rail until they contact each other closely.                      |   |
|   |   |

#### ■ Wall Mounting

Step 1: Insert the wall mounting bracket into the slot on the rear panel of the DVW series of wireless devices,

and tighten the screw on it, as shown in the diagram below.

Step 2: Place the wall mounting bracket in an appropriate position, and tighten the two screws on the bracket and the DIN clip.



### **9** Wiring the Redundant Power Input

The DVW series of wireless devices are equipped with two sets of DC input (PWR1 / PWR2). Both sets of DC input can be connected to a wide range of power sources (12 to 48VDC). If one power source fails, the other live source can work as a backup to ensure that the machine operates normally.

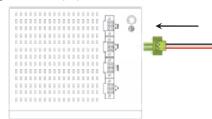
Step 1: Insert the negative and positive DC wires into the terminal block, and make sure that the positive DC wire is connected to V1+ or V2+, and that the negative DC wire is connected to 0V.

Step 2: To prevent the loose DC wires, tighten the wire clamp screws on the terminal block connector with the flat-blade screwdriver.



NOTE: Please use copper wire 60/75°C, conductor 16 to 24 AWG; screw up at torque 2.2kgf-cm (1.91 in-lbs) Step 3: Insert the plastic terminal block connector into the terminal block receptor on the DVW series of wireless

NOTE: Grounding the ground terminal on the DVW series of wireless devices can avoid the noise effect due to the electromagnetic interference (EMI)





Please use Class 2 power sources.

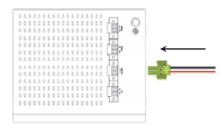


The devices are designed for operation in accordance with EN 60950-1 ed.2. The devices are designed for operation with a LPS power supply of "12 to 48VDC, 1A power rating"

The devices are intended to be operated under altitude up to 10,000ft (3048m), the DC power supply source comply with the requirement of 10,000ft (3048m) of clearance is multiplied by the altitude correction factor(1.15), specified in table A.2 of IEC 60664-1, 1992+A1:2000.

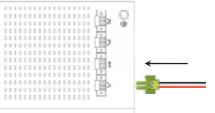
#### **6** Wiring the Alarm Contact

The DVW series of wireless devices are equipped with one set of alarm. The alarm contact is a dry relay. If one of the two power sources fails, one of digital input is triggered or the communication is interrupted, the contact will turns from an "OPEN" circuit to a "CLOSED" circuit. The relay can be connected to a 5A/24VDC power



## **9** Wiring the Digital Input

The DVW series of wireless devices are equipped with one set of digital input. If the power source between 0 to 5V, the state of DI is OFF. If the power source between 11 to 30V, the state of DI is ON. The maximum input current is 6mA.





The electrical circuit of DI is independent, so you don't need to care about NPN type or PNP type of The electrical circuit of DI is independent, so you don't need to be a second of DI. If the electrodes positive and electrodes negative of DI has been reversed when you plug the cable, DI still can work properly.

#### **O** Terminal Resistors

| Built-In Termination Resistor  | Switch | ■ OFF |
|--------------------------------|--------|-------|
| Use built-in 120Ω Termination  | On     | TR1   |
| Use External or No Termination | Off    | L ON  |

#### **8** LED Indicators

| LED             | Color           | Status                          | Description   |
|-----------------|-----------------|---------------------------------|---|
| PWR1/PWR2 Green | ON              | The power is supplied normally. |   |
| PWRI/PWR2       | PWR1/PWR2 Green |                                 | The power is not supplied.  |
| Status          | Green           | ON                              | The status of the device is good.   |
| Status          | Green           | OFF                             | The status of the device isn't good.                                      |
| DI1/DI2         | Green           | ON                              | The DI is triggered.  |
| DITIDIZ         | Green           | OFF                             | The DI is not triggered.  |
| COM RX/         | Green           | Blinking                        | The port is transmitting data.  |
| COM TX          | Amber           | Blinking                        | The port is receiving data.   |
|                 |                 | FF                              | The port is idle.   |
| Client Mode     | Amber           | ON                              | The device works in Client/ WDS Slave mode.                               |
| Cilent Wode     | OI              | FF                              | The wireless function is disabled.  |
| AP/WDS Mode     | Green           | ON                              | The device works in AP/ Repeater/ WDS Master mode.                        |
| AP/WDS Wode     | OI              | FF                              | The wireless function is disabled.  |
| ALARM F         |                 | ON                              | The communication is interrupted, there is a power failure, or alarm      |
|                 | Red             | ON                              | event which has been configured happened.                                 |
|                 | Red             | OFF                             | The communication is not interrupted, there is no power failure, or alarm |
|                 |                 | OFF                             | event which has been configured doesn't happen.                           |

| unt-in Termination Resistor   | Switch | ■ OFF |
|-------------------------------|--------|-------|
| se built-in 120Ω Termination  | On     | TR1   |
| se External or No Termination | Off    | ☐ ON  |

#### ■ DVW-W02W2-E2

| LED         | Color           | Status   | Description   |
|-------------|-----------------|----------|---|
| PWR1/PWR2   | 1/PWR2 Green    | ON       | The power is supplied normally.   |
| PWRI/PWR2   | Green           | OFF      | The power is not supplied.  |
| Status      | Green           | ON       | The status of the device is good.   |
| Status      | Green           | OFF      | The status of the device isn't good.                                      |
| DI1/DI2     | Green           | ON       | The DI is triggered.  |
| DITI/DIZ    | Green           | OFF      | The DI is not triggered.  |
| COM RX/     | Green           | Blinking | The port is transmitting data.  |
| COM TX      | Amber           | Blinking | The port is receiving data.   |
| OFF         |                 | FF       | The port is idle.   |
| Client Mede | Amber           | ON       | The device works in Client/ WDS Slave mode.                               |
| Client Wode | Client Mode OFF |          | The wireless function is disabled.  |
| AP/WDS Mode | Green           | ON       | The device works in AP/ Repeater/ WDS Master mode.                        |
| AP/WD5 Mode | OI              | FF       | The wireless function is disabled.  |
|             |                 | ON       | The communication is interrupted, there is a power failure, or alarm      |
| ALARM       | Red             | ON       | event which has been configured happened.                                 |
|             | Red             | OFF      | The communication is not interrupted, there is no power failure, or alarm |
|             |                 | UFF      | event which has been configured doesn't happen.                           |

#### Color Status Green The port is connected at the speed of 1000 Mbps ON The port is connected at the speed of 10 or 100 Mbps. Amber OFF The port is disconnected. The network communication connection has been established Green Blinking The data is being transmitted. OFF The network communication connection has not been established. ON 3 level wireless stranger inductor. (High/ Middle/ Low) No wireless signal.

#### **9** Interface

10/100/1000M

(RJ45)

Strange

#### ■ 10/100/1000Base-T Connection

The 10/100/1000Base-T ports of the DVW series of wireless devices are used to connect to Ethernet. RJ45 ports support MDI (NIC-type) and MDI-X (HUB/Switch-type) modes, the pin definition of the Ethernet cable is as follows.

|     | 10/100E  | Base-T(X)  | 1000Base-T     |            |
|-----|----------|------------|----------------|------------|
| PIN | MDI Mode | MDI-X Mode | MDI/MDI-X Mode |            |
| 1   | Tx+      | Rx+        | TP0+           | 8-PIN RJ45 |
| 2   | Tx-      | Rx-        | TP0-           |            |
| 3   | Rx+      | Tx+        | TP1+           |            |
| 4   | n.c      | n.c        | TP2+           | 1 1        |
| 5   | n.c      | n.c        | TP2-           | - Hr - H   |
| 6   | Rx-      | Tx-        | TP1-           |            |
| 7   | n.c.     | n.c        | TP3+           |            |
| 8   | n.c.     | n.c        | TP3-           |            |

### Serial Port Connection

| PIN | RS-485 (2pin) | RS-422/485 (4 pin) | RS-232 |
|-----|---------------|--------------------|--------|
| 1   |               | TXD-               | DCD    |
| 2   |               | TXD+               | RXD    |
| 3   | D+            | RXD+               | TXD    |
| 4   | D-            | RXD-               | DTR    |
| 5   | GND           | GND                | GND    |
| 6   |               |                    | DSR    |
| 7   |               |                    | RTS    |
| 8   |               |                    | CTS    |

#### Mechanical Characteristics

|                | DVW-W02W2-E2                    |
|----------------|---------------------------------|
| Case           | IP40 Aluminum metal case        |
| Dimension (mm) | 145.3 (H) x 112.5(W) x 108.7(D) |
| Weight (g)     | 500g                            |

◆ For more information about the product, please visit http://www.deltaww.com

## / 注意事項

- ✓ 此安裝手冊只提供雷氣規格、一般規格、安裝及配繳。
- ✓ 電路板上的零件與 IC 易受靜電破壞 · 未做好防靜電措施前請勿用手觸摸 。 防止非維護人員操作或意外衝擊本 體,造成危險與損壞,且請勿在上電時觸摸任何端子。
- ✓ 請務必仔細閱讀本安裝說明·並依照說明指示進行操作·以免造成產品受損·或導致人員受傷

### ● 產品簡介

感謝您使用台達DVW無線設備。DVW系列無線設備是專為應用於各式嚴苛環境所設計之解決方案。具備電源故 障、數位輸入、通訊斷線警報輸出及-40~75℃電溫工作標準。優越工藝技術・通過UL、CE、FCC與SRRC等工 業安規認證

### ❷ 功能特色

- 1. 10/100/1000Base-T (RJ45)
- 2. IEEE 802.3/802.3u/802.3ab/802.3x
- 3 IEEE 802 11 a/b/g/n
- 4. 自動傳輸速率偵測
- 5. MDI/MDI-X 自動跳線偵測

## ❸ 產品包裝

- 1. 台達 DVW 無線 AP/WDS/Client/Gateway x1
- 2. 全向性天線 x3
- 3. 壁掛式金屬配件
- 4 USBA 公輔 B 公控制線 x1
- 5. 使用手冊及產品光碟 6. 安裝說明書

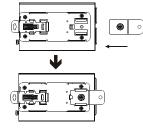
## 母 安裝方式

#### ■ 軌道式安裝

| ◆ 安装                           | ◆ 卸下                   |
|--------------------------------|------------------------|
| 步驟一:將 DVW 背後的金屬安裝配件扣住 DIN-Rail | 步驟一:將一字起子插入金屬彈簧夾下的洞孔並向 |
| 步驟二:將 DVW 向內推・直到金屬彈簧夾與         | 下拉                     |
| DIN-Rail 完全緊合                  | 步驟二:拉起 DVW 底部即可順勢取出    |
|                                |                        |

#### ■ 壁掛式安裝

步驅一:將附送的壁掛式金屬配件插入 DVW 後的凹槽,並用十字螺絲起子將金屬配件鎖緊於 DVW 步驟二:經由 DVW 後金屬配件的兩個螺絲孔·將 DVW 鎖緊於您所需要的位置



### ❺ 備援式電源輸入

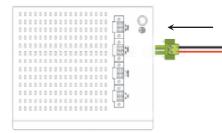
DVW內建兩組12~48VDC直流電輸入(PWR1/PWR2)。當其中一組電源故障時·另一組電源可以馬上啟動·確 保機器下堂運作

步驟一:將端子座公頭從 DVW 取下·並將 DC 直流電電源線插入端子座公頭上·並確認正級接入 V1+或 V2+而 負級接入 0V

步驟二:利用小一字螺絲起子將電源線鎖緊於端子座公頭 ト



註:請使用60/75°C. 導體線徑為16-24AWG之銅線;其鎖螺絲之扭力為2.2kgf-cm(1.91 in-lbs) 步驟三:將端子座公頭插回 DVW 端子座母座上



註:請務必正確接上DVW底部的接地端子,可提高抗EMI雜訊能力



Please use Class 2 power sources.

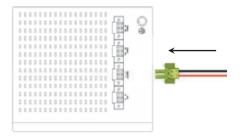


The devices are designed for operation with a LPS power supply of "12 to 48VDC, 1A power rating" in accordance with EN 60950-1 ed.2.

The devices is intended to be operated under altitude up to 10,000ft (3048m), the DC power supply source comply with the requirement of 10,000ft (3048m) of clearance is multiplied by the altitude correction factor(1.15), specified in table A.2 of IEC 60664-1, 1992+A1:2000.

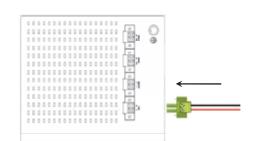
#### 6 警報接點輸出

DVW內建繼電器警報接點輸出。在正常模式下·接點為"OPEN"模式;若當兩組電源中有一組故障或是通訊中斷 發生·接點將形成"CLOSED"模式。繼電器最大可承受5A/24VDC負載。



## ❷ 數位接點輸入

DVW內建數位輸入接點。若輸入電壓介於0~5V·則DI的狀態為"OFF";若輸入電壓介於11~30V·則DI的狀態為 "ON"。最大輸入雷流為6mA。



DI 的電路互相獨立·因此無需在意 DI 的接線類型為 NPN 或 PNP。當插入纜線至 DI 時·正、負極若



| 內建終端電阻       | 開闢  | ■ OFF |
|--------------|-----|-------|
| 使用內建 120Ω 電阻 | On  | TR1   |
| 使用外部或無電阻     | Off |       |

#### 8 LED 燈指示說明

## ■ DVW-W02W2-E2

| 指示燈               | 指示燈狀態        |        | 說明                                |
|-------------------|--------------|--------|-----------------------------------|
| PWR1/PWR2 繰燈      | 恆亮           | 電源供應正常 |                                   |
| T WINT// WINZ     | PWRI/PWR2 練短 | 恆滅     | 無電源供應                             |
| Status            | 緑燈           | 恆亮     | 設備狀態良好                            |
| Status            | 你以 入豆        | 恆滅     | 設備狀態有問題                           |
| DI1/DI2           | 緑燈           | 恆亮     | 數位訊號輸入正常                          |
| DITI/DIZ          | 你以 入豆        | 恆滅     | 無數位訊號輸入                           |
|                   | 綠燈           | 閃爍     | 通訊口正在傳送資料                         |
| COM RX/<br>COM TX | 橘燈           | 閃爍     | 通訊口正在接收資料                         |
|                   | 恆滅           |        | 通訊口閒置                             |
| Client Mode       | 橘燈           | 恆亮     | 設備運作於 Client/ WDS Slave 模式        |
| Client Wode       | 恆            | 滅      | 無線功能已停用                           |
| AP/WDS Mode       | 綠燈           | 恆亮     | 設備運作於 AP/ Repeater/ WDS Master 模式 |
| AF/WD3 Wode       | 恆            | 滅      | 無線功能已停用                           |
| ALARM             | 紅燈           | 恆亮     | 通訊中斷·電源中斷或已設定的警報事件發生              |
| ALARW             | 加工 入豆        | 恆滅     | 無通訊中斷・無電源中斷或已設定的警報事件未發生           |

| 指示燈                    | 指示燈狀態  |      | 說明                    |
|------------------------|--------|------|-----------------------|
| 2H-11-7M               | 34-1-6 | 1000 | W0-73                 |
|                        | 綠燈     | 恆亮   | 1000Mbps 速度連線         |
| 10/100/1000M<br>(RJ45) | 橘燈     | 恆亮   | 10Mbps 或 100Mbps 速度連線 |
|                        | 恆      | 滅    | 無連線                   |
|                        |        | 恆亮   | 已建立網路通訊連線             |
| LINK/ACT               | ACT 線燈 | 閃爍   | 資料封包傳輸中               |
|                        |        | 恆滅   | 未建立網路通訊連線             |
| 無線訊號強度                 | 綠燈     | 恆亮   | 三種無線訊號強度感應等級 (強/中/弱)  |
|                        | 恆      | 滅    | 無訊號                   |

## ❷ 乙太網路及串列介面

#### ■ 10/100/1000Base-T 連線

DVW RJ45 10/100/1000Base-T埠是用來連接乙太網路的介面。RJ45埠可同時支援MDI(NIC-type)與

MDI-X(HUB/Switch-type)模式 · 腳位定義如下:

|    | 10/1000Base-T(X) |          | 1000Base-T   |            |
|----|------------------|----------|--------------|------------|
| 腳位 | MDI 模式           | MDI-X 模式 | MDI/MDI-X 模式 |            |
| 1  | Tx+              | Rx+      | TP0+         | 8-PIN RJ45 |
| 2  | Tx-              | Rx-      | TP0-         | ********   |
| 3  | Rx+              | Tx+      | TP1+         | IIIIIIII   |
| 4  | n.c              | n.c      | TP2+         |            |
| 5  | n.c              | n.c      | TP2-         | N-A        |
| 6  | Rx-              | Tx-      | TP1-         |            |
| 7  | n.c.             | n.c      | TP3+         |            |
| 8  | n.c.             | n.c      | TP3-         |            |

#### ■ 串列埠連線

| 腳位 | RS-485 (2 腳) | RS-422/485 (4 腳) | RS-232 |
|----|--------------|------------------|--------|
| 1  |              | TXD-             | DCD    |
| 2  |              | TXD+             | RXD    |
| 3  | D+           | RXD+             | TXD    |
| 4  | D-           | RXD-             | DTR    |
| 5  | GND          | GND              | GND    |
| 6  |              |                  | DSR    |
| 7  |              |                  | RTS    |
| 8  |              |                  | CTS    |

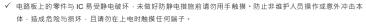
#### ◎ 實體特性

|   | DVW-W02W2-E2 |  |  |
|---|--------------|--|--|
| 外殼 IP40 工業級鋁殼                             |              |  |  |
| 尺寸 ( mm ) 145.3 (H) x 112.5(W) x 108.7(D) |              |  |  |
| 重量(公克)                                    | 500          |  |  |

◆ 更多完整產品安裝資訊請參考 http://www.deltaww.com

# /!\ 注意事項





✓ 请务必仔细阅读本安装说明·并依照说明指示进行操作·以免造成产品受损·或导致人员受伤。

#### ● 产品简介

感谢您使用台达DVW无线设备。DVW系列无线设备是专为应用于各式严苛环境所设计之解决方案。具备电源故 障,数字输入,通讯断线报警输出及-40~75℃宽温工作标准。优越工艺技术·通过UL、CE、FCC與SRRC等工业 安规认证。

## ❷ 功能特色

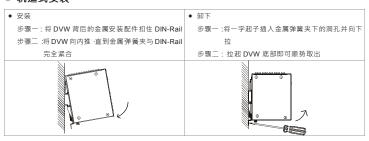
- 1. 10/100/1000Base-T (RJ45)
- 2. IEEE 802.3/802.3u/802.ab/802.3x
- 3. IEEE 802.11 a/b/g/n
- 4. 自动传输速率检测
- 5. MDI/MDI-X 自活应

## ❸ 产品包装

- 1. 台达 DVW 无线 AP/WDS/Client/网关 x1
- 2. 全向性天线 x3
- 3. 壁挂式金属配件 4. USB A 公转 B 公控制线 x1
- 5. 使用手册及产品光盘
- 6. 安装说明书
- 7. 保证卡

## 母 安装方式

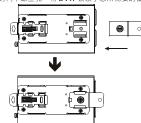
#### ■ 轨道式安装



#### ■ 壁挂式安装

步骤一:将附送的壁挂式金属配件插入 DVW 后的凹槽,并用十字螺丝起子将金属配件锁紧于 DVW

步骤二:经由 DVW 后金属配件的两个螺丝孔·将 DVW 锁紧于您所需要的位置。



## ⑤ 冗余式电源输入

DVW内建两组12~48VDC直流电输入(PWR1/PWR2)。当其中一组电源故障时,另一组电源可以马上启动,确

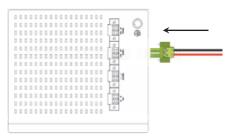
步骤一:将端子座公头从 DVW 取下,并将 DC 直流电电源线插入端子座公头上,并确认正级接入 V1+或 V2+而

步骤二:利用小一字螺丝起子将电源线锁紧于端子座公头上



注:请使用 60/75°C, 导体线径为 16-24AWG 之铜线; 其锁螺丝之扭力为 2.2kgf-cm ( 1.91 in-lbs )。

步骤三:将端子座公头插回 DVW 端子座母座上



注:请务必正确接上 DVW 底部的接地端子,可提高抗 EMI 噪声能力。



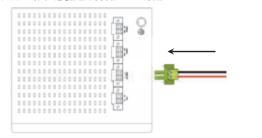
Please use Class 2 power sources.

The devices are designed for operation with a LPS power supply of "12 to 48VDC, 1A power rating" in accordance with EN 60950-1 ed.2.

The devices is intended to be operated under altitude up to 10,000ft (3048m), the DC power supply source comply with the requirement of 10,000ft (3048m) of clearance is multiplied by the altitude correction factor(1.15), specified in table A.2 of IEC 60664-1, 1992+A1:2000.

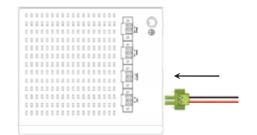
## 6 报警接点输出

DVW内建继电器报警接点输出。在正常模式下·接点为"OPEN"模式;若当两组电源中有一组故障或是通讯中断 发生,接点将形成"CLOSED"模式。继电器最大可承受5A/24VDC负载。



## ❷ 数字接点输入

DVW内建数字输入接点。若输入电压介于0~5V·则DI的状态为"OFF";若输入电压介于11~30V·则DI的状态为 "ON"。最大输入电流为6mA。



DI 的电路互相独立·因此无需在意 DI 的接线类型为 NPN 或 PNP。当插入缆线至 DI 时·正、负极若插反。DI 仍可正常运作。

#### ❷ 终端电阻

| 内建终端电阻       | 开关  | ■ OFF |
|--------------|-----|-------|
| 使用内建 120Ω 电阻 | On  | TR1   |
| 使用外部或无电阻     | Off | □ ом  |

# ❸ LED 灯指示说明

#### ■ DVW-W02W2-E2

| 指示灯               | 灯 指示灯状态 |    | 说明                                |  |
|-------------------|---------|----|-----------------------------------|--|
| PWR1/PWR2         | 绿灯      | 恒亮 | 电源供应正常                            |  |
| FWKI/FWK2         |         | 恒灭 | 无电源供应                             |  |
| Status            | 绿灯      | 恒亮 | 设备状态良好                            |  |
| Status            |         | 恒灭 | 设备状态有问题                           |  |
| DI1/DI2           | 绿灯      | 恒亮 | 数字讯号输入正常                          |  |
| DITIDIZ           | 练灯      | 恒灭 | 无数字讯号输入                           |  |
|                   | 绿灯      | 闪烁 | 通讯口正在传送数据                         |  |
| COM RX/<br>COM TX | 橘灯      | 闪烁 | 通讯口正在接收数据                         |  |
|                   | 恒灭      |    | 通讯口闲置                             |  |
| Client Mode       | 橘灯      | 恒亮 | 设备运作于 Client/ WDS Slave 模式        |  |
| Client Wode       | 恒灭      |    | 无线功能已停用                           |  |
| AP/WDS Mode       | 绿灯      | 恒亮 | 设备运作于 AP/ Repeater/ WDS Master 模式 |  |
|                   | 恒灭      |    | 无线功能已停用                           |  |
| ALARM             | 红灯      | 恒亮 | 通信中断 · 电源中断或已设定的报警事件发生            |  |
|                   |         | 恒灭 | 无通信中断 · 无电源中断或已设定的报警事件未发生         |  |
|                   |         |    |                                   |  |

| 指示灯                    | 指示灯状态 |     | 说明                    |
|------------------------|-------|-----|-----------------------|
|                        | 绿灯    | 恒亮  | 1000Mbps 速度通信         |
| 10/100/1000M<br>(RJ45) | 橘灯    | 恒亮  | 10Mbps 或 100Mbps 速度通信 |
| (*****)                | 恒灭    |     | 无通信                   |
| LINK/ACT<br>无线讯号强度     |       | 恒亮  | 已建立网络通信连接             |
|                        | 绿灯    | 闪烁  | 数据封包传输中               |
|                        |       | 恒灭  | 未建立网络通信连接             |
|                        | 绿灯    | 恒亮  | 三种无线讯号强度感应等级 (强/中/弱)  |
|                        | 相     | 717 | 于讯县                   |

## ❷以太网口及串行接口

#### ■ 10/100/1000Base-T 接线

DVW RJ45 10/100/1000Base-T端口是用来连接以太网的接口。RJ45端口可同时支持MDI (NIC-type)与MDI-X (HUB/Switch-type)自适应模式·脚位定义如下:

|    | 10/100Base-T(X) |      | 1000Base-T   |  |
|----|-----------------|------|--------------|--|
| 引脚 | MDI模式 MDI-X 模式  |      | MDI/MDI-X 模式 |  |
| 1  | Tx+             | Rx+  | TP0+         |  |
| 2  | Tx-             | Rx-  | TP0-         |  |
| 3  | Rx+             | Tx+  | TP1+         |  |
| 4  | n.c.            | n.c. | TP2+         |  |
| 5  | n.c.            | n.c. | TP2-         |  |
| 6  | Rx-             | Tx-  | TP1-         |  |
| 7  | n.c.            | n.c. | TP3+         |  |
| 8  | n c             | n.c  | TD3          |  |



## ■ 串口接线

| 引脚 | RS-485 (2 脚) | RS-422/485 (4 脚) | RS-232 |
|----|--------------|------------------|--------|
| 1  |              | TXD-             | DCD    |
| 2  |              | TXD+             | RXD    |
| 3  | D+           | RXD+             | TXD    |
| 4  | D-           | RXD-             | DTR    |
| 5  | GND          | GND              | GND    |
| 6  |              |                  | DSR    |
| 7  |              |                  | RTS    |
| 8  |              |                  | CTS    |

## ◎ 实体特性

|           | DVW-W02W2-E2                    |
|-----------|---------------------------------|
| 外壳        | IP40 工业级铝壳                      |
| 尺寸 ( mm ) | 145.3 (H) x 112.5(W) x 108.7(D) |
| 重量(公克)    | 500                             |

◆ 更多完整产品安装信息请参考 http://www.deltaww.com