I2C-SPI Control Center

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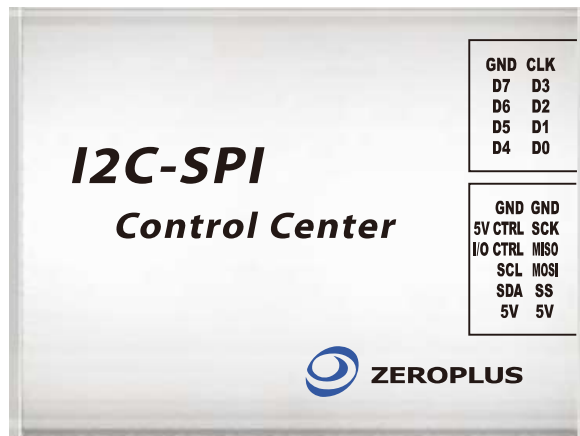电话：+86-755-29556305~6　　传真：+86-755-29556306 #613

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20140718

I2C-SPI
Control Center

GND	CLK
D7	D3
D6	D2
D5	D1
D4	D0

GND	GND
5V CTRL	SCK
I/O CTRL	MISO
SCL	MOSI
SDA	SS
5V	5V

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連接12 Pin連接線，用於I2C、SPI、GPIO輸入輸出

Connect with the 12 Pin Cable, Which is used for I2C/SPI/GPIO input or output.

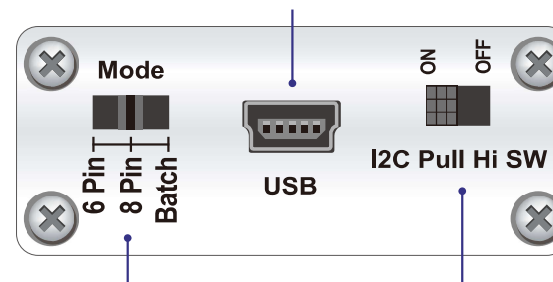Power LED   I2C-SPI   GPIO Batch Out
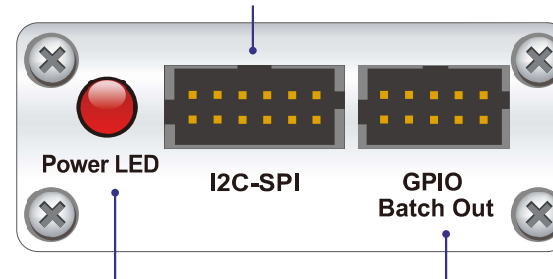
電源指示燈

Power LED

連接10 PIN連接線，用於GPIO Batch模式

Connect with the 10 PIN Cable, Which is used in GPIO Batch Mode.

連接至電腦的USB Port

Connect with the USB Port on PC.

Mode   ON OFF

6 Pin 8 Pin Batch   USB   I2C Pull Hi SW

切換I/O狀態
(6 Pin、8 Pin及Batch)
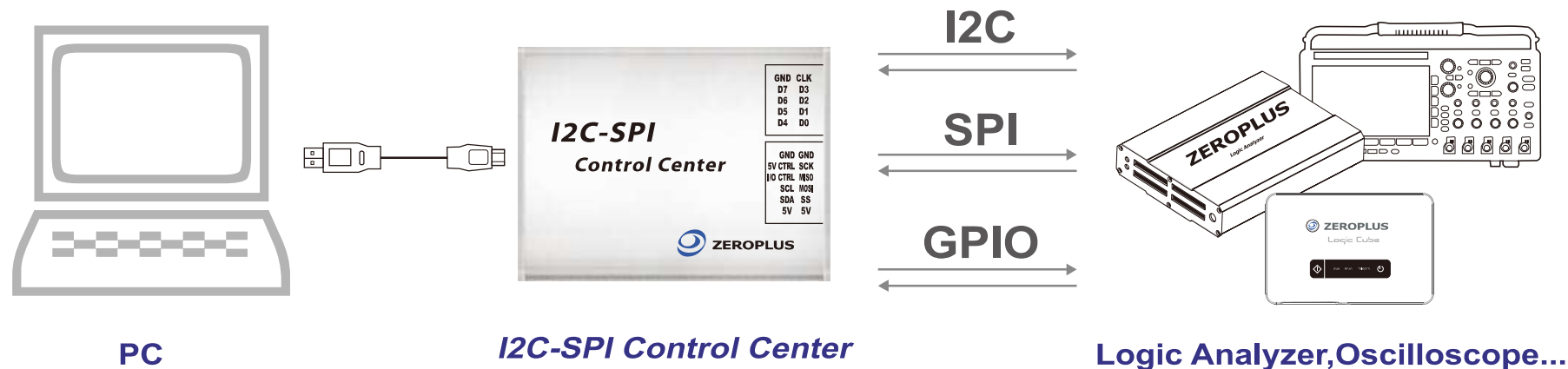
Switch the Status of the I/O
(6 Pin, 8 Pin and Batch)

切換I2C是否高阻抗
輸入/輸出

Switch the I2C Into the
High Impedance.
Input / High Impedance Output

High Quality Professional Instruments

5V	5伏特電源供應	Power Supply, 5V
SS	SPI模式中Slave Select；GPIO模式中為Bit0 I/O	It is used as the Slave Select in the SPI Mode. It is used as the Bit0 I/O in the GPIO Mode.
MOSI	SPI模式中Master Out Slave In；GPIO模式中為Bit1 I/O	It is used as the Master Out Slave In in the SPI Mode. It is used as the Bit1 I/O in the GPIO Mode.
MISO	SPI模式中Master In Slave Out；GPIO模式中為Bit2 I/O	It is used as the Master In Slave Out in the SPI Mode. It is used as the Bit2 I/O in the GPIO Mode.
SCK (SCLK)	SPI模式中Serial Clock；GPIO模式中為Bit3 I/O	It is used as the Serial Clock in the SPI Mode. It is used as the Bit3 I/O in the GPIO Mode.
SDA	I2C模式中Serial Data；GPIO模式中為Bit4 I/O	It is used as the Serial Data in the I2C Mode. It is used as the Bit4 I/O in the GPIO Mode.
SCL	I2C模式中Serial Clock；GPIO模式中為Bit5 I/O	It is used as the Serial Clock in the I2C Mode. It is used as the Bit5 I/O in the GPIO Mode.
I/O CTRL	6Pin模式中做為I/O 開關；8Pin模式中做為Bit6 I/O I2C Trigger模式中做為觸發輸出（注：Mode開關須切至8Pin）	It is used as I/O SW in the 6 Pin Mode of GPIO. It is used as Bit6 I/O in the 8 Pin Mode of GPIO. It is used as the Trigger Output Pin in I2C Trigger Mode. (Notice: The Mode Switch should be switched into the 8 Pin Mode.)
Target Power	6Pin模式中做為5V輸出控制；8Pin模式中做為Bit7 I/O SPI Trigger模式中做為觸發輸出（注：Mode開關須切至8Pin）	It is used as the 5V Ctrl in the 6 Pin Mode. It is used as the Bit7 I/O in the 8 Pin Mode. It is used as the Trigger Output Pin in SPI Trigger Mode. (Notice: The Mode Switch should be switched into the 8 Pin Mode.)
CLK	GPIO BATCH 模式中Clock輸出	It is used as the Clock Output in the Batch Mode of GPIO.
GND	Ground 接地端	It is connected to the Ground.

■ 連接說明 Hardware Installation

I2C

SPI

GPIO

I2C-SPI
Control Center

GND CLK
D7 D3
D6 D2
D5 D1
D4 D0

GND GND
5V CTRL SCK
I/O CTRL MISO
SCL MOSI
SDA SS
5V 5V

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PC

I2C-SPI Control Center

Logic Analyzer,Oscilloscope...

■ 使用步驟 Installation Steps

步驟1. 依照軟體安裝光碟內說明書 ˝2. 安裝與使用˝進行操作。

步驟2. 軟體安裝完成後將I2C-SPI Control Center透過配件內USB線連接至電腦。

步驟3. 將配件內10 Pin及12 Pin測試線接上I2C-SPI Control Center及待測板或其他測試儀器。（如示波器或邏輯分析儀等）

步驟4. 環境連接完畢後便可開啟軟體進行使用，操作方式及介面介紹請參閱說明書 ˝3. 人機介面˝及 ˝4. 使用說明˝

STEP 1. Install the Software according to the "**2. Software Installation**" of the Specification in the Software Installation Disk.

STEP 2. Connect the I2C-SPI Control Center Hardware to the PC via a USB Cable after the Software Installation has been finished.

STEP 3. Connect the 10-Pin Cable and 12-Pin Cable to the I2C-SPI Control Center Hardware and DUT (Device Under Test) or other
Test Instruments (Oscilloscope or Logic Analyzer).

STEP 4. After the Connection Environment is finished, the Software can be started. Please refer to the " **3. User Interface**" and
the "**4. Operating Instructions**" of the Specification to learn the detailed Operating Mode and Interface Introduction.