



即插即用 快速佈署

SPIIDER W100 / P1300

Wireless IoT Node & Smart production solution ready package

- 無線傳輸快速佈署
- 工廠數據整合匯集
- 生產狀態即時監控



SPIIDER-W100 / P1300

遠端無線物聯網採集模組

Wireless IoT Node & Smart production solution ready package

產品簡介

友達數位 SPIIDER-W100 / P1300，係基於Zigbee無線傳輸技術的物聯網裝置，集成IoT數據採集、處理和發布功能，將傳統碎片化的數據提取方法進行整合。即插即用-快速佈署，輕鬆整合產線各式傳感器，搭配戰情看板Mvix，無痛升級智慧化工廠。

產品特點

- 支援無線通訊，減少實體網路佈線，快速安裝上線
- 1套W100可同時連接最高6顆傳感器資訊(詳見spec)
- 1套P1300可同時接收32套 W100數據
- 可搭配友達數位戰情看板Mvix達到遠端監控
- 支援感測器數據補正功能
- 友達光電工廠大量部屬達10K套以上

訂購信息

- SPIIDER-W100 無線IoT數據擷取模組
- SPIIDER-P1300 無線IoT網關
- Mvix 無代碼戰情看板

可選擇配件

- DIN Rail Mount
- CT sensor: U_RD CTL series



產品應用架構



SPIIDER-W100

無線IoT數據擷取模組

W100產品I/O Pin Assignment



1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47
CT+	N/A	N/A	N/A	N/A	N/A	Rx	Tx	24V+	S1+	GND	S2+	24V+	S3+	24V+	S4+	DO1	DO2	DO3	DO4	DO5	DO6	DO7	DO8
CT-	N/A	GND	N/A	N/A	GND	5V+	GND	12V+	GND	12V+	GND	12V+	GND	12V+	GND	5V+	5V+	3.3V+	3.3V+	GND	GND	GND	GND
2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
CT sensor		PMSA1003					Analog input 1~4								Digital Output 1~4								

SPIIDER - W100 產品規格表

W100 Specifications	
I/O Interface	
USB Port	USB 2.0 x1 (Micro USB)
Controller interface	Rotary knob control
Digital Output	Digital Output x8 DO: LOW / HIGH Signal (0V/5V)
Dust Sensor Input	connection ports x 1 only support PMSA1003
CT Sensor Input	connection ports x 1, configurable Input voltage range: 0~ 5V (±1%)
Analog Input	connection ports x 4, configurable - Input voltage range: 0~ 5V (±1%) - Input current range: 4~ 20mA (±1%)
Power Supply	
DC Input	DC 5~24V@2A
DC Output	DC 3.3V、5V、12V、24V
Mechanical	
Dimension	W110 x H42.5 x D108 (mm)
Mounting	Wall mount, DIN-rail (Optional)
Communications	
Communication protocol	Zigbee 2.4G (10~250Kbps) ※When there are no obstacles, the transmission distance can reach up to 40 meters.)
Environment & Electrical	
Operating Temperature	0~60°C (Landscape/Portrait)
Storage Temperature	-20°C to 60°C
Humidity	10~90 % (without condensation)

SPIIDER-P1300

遠端資料彙集模組



SPIIDER - P1300 產品規格表

P1300 Specifications	
System	
Processor	Raspberry pi compute module 4 (quad-core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz)
Memory	2GB DDR3
Storage	16GB eMMC
I/O Interface	
LAN Port	GbE LAN x2
COM Port	RS232/ RS485 x2
USB Port	USB 2.0 x2
Display Port	HDMI x1
Wireless Communication	ZigBee (support SPIIDER-W100)
Power Supply	
DC Input	9-32 Vdc
DC Output	AC 110V/Output: DC 24V,1.6A
Mechanical	
Dimension	W170 x D110 x H30 (mm)
Environment & Electrical	
Operating Temperature	Standard: -20 to 70°C
Humidity	approx. 95% @40°C (non-condensing)
Certification	CE/FCC



Website



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友達數位科技服務(股) AUO Digitech

+886 3-499-5158 Marketing@auodigitech.com

325 桃園市龍潭區龍園一路288號5樓 (龍潭科學園區)