

## EW50 系列

工業級 LTE Cellular 行動通訊閘道器



## 產品介紹

EW50為一款智慧型工業級行動通訊閘道器，針對公共基礎建設及各類工業應用環境設計安全，值得關注的是產品的低功耗設計，僅需7W便可完整運作，符合現今的環保節能趨勢。內建二組高速乙太網路傳輸埠，提供高速可靠的資料傳輸，即時IT斷線警告，最適合遠端安全監控管理。

多種通訊協定介面：無線、乙太網路、串列訊號和digital I/O供最佳傳輸品質，可滿足多種應用環境。符合全球LTE通訊標準，可快速佈建易於管理的遠距行動通訊網路架構。

[Industrial LTE Cellular Gateway | Promotion Page EW50 Series](#)

## 產品亮點

### 多元介面彈性搭配

- » 提供乙太網路、串列I/O(RS232/RS485)及支援業界最普遍的通訊協定Modbus TCP 以利串接各式周邊裝置
- » 完美應用於M2M(機器對機器)及IIoT(工業物聯網)應用架構

### 可靠、不間斷的傳輸品質

- » 雙SIM卡設計，可支援行動傳輸備援
- » Fail over管理機制確保網路穩定可靠度
- » 不斷線4G LTE網路連接/IP Pass through模式

### 全面資安防護

- » 支援IPSec, OpenVPN, PPTP, L2TP, VPN，提供VPN安全連接保護。可同時建立多達16個VPN通道，最大流量可達70Mbps(IPSec)

### 工業等級設計

- » IP30、無風扇、金屬外殼設計
- » 支援-30 到70°C操作溫度

## 特色

- » Global HSPA+ and 4G LTE support, and certified for the world's major carrier networks
- » Ethernet, serial, DI/DO and Modbus bridging for connection of diverse field assets
- » Equipped with a dual Micro-SIM LTE module with failover function
- » 10/100/1000BASE-TX Ethernet port with tag based and port based VLANs for easy control of groups and traffic
- » IPSec, OpenVPN, PPTP, and L2TP VPN support for up to 16 concurrent tunnels with max 70Mbps throughput (IPSec)
- » Firewall with SPI and IPS to prevent intrusion
- » SNMP and Telnet CLI for system management

## 頻率段

Skus Code	4G LTE		3G	2G	Region
	FDD LTE	TDD LTE	WCDMA	GSM/EDGE	
<b>TA</b>	B1(2100)/ 3(1800)/ 4(AWS)/ 5(850)/ 7(2600)/ 8(900)/ 28(700 APT)	B40(2300)	B1(2100)/ 2(1900)/ 5(850)/ 8(900)	B2(1900)/ 3(1800)/ 5(850)/ 8(900)	<b>Taiwan, Australia</b>
<b>EUS</b>	B1(2100) / 3(1800) / 5(850) /7(2600) / 8(900) / 20(800)	B38(TD 2600)/ 40(TDV 2300)/ 41(TD 2500)	B1/ B5/ B8	B3(1800)/ 8(900)	<b>EU, Singapore, Malaysia, Vietnam, Thailand, Turkey, Philippines, India, Indonesia, South Korea</b>
<b>JP</b>	B1(2100)/ B3(1800)/ B8(900)/ B18(800 Lower)/ B19(800 Upper)/ B26	B41(TD 2500)	B1(2100)/ 6(UMTS only)/ 8(900)/ 19(800 Upper)	-	<b>Japan</b>

## 產品規格

### Cellular Interface

#### 標準

- Cellular Frequency Bands: (Please check Frequency Bands Region Codes)
- LTE Cat. 4: FDD-LTE, TDD-LTE, Transfer rate (max):  
LTE FDD: 150Mbps down; 50Mbps up  
LTE TDD: 130Mbps down; 35Mbps up
- 3G: WCDMA, Transfer rate (max): 42Mbps down; 5.76Mbps up
- 2G: GSM/EDGE, Edge Transfer rate (max): 236.8Kbps down & up

#### Antenna connector

- 2 x SMA Female

#### SIM Slot

- 2
- 

### Ethernet

#### 標準

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX/100BASE-FX
- IEEE 802.3ab 1000BASE-T

#### Ports

- 2 x RJ45 GE

#### Physical Layer

- 10/100/1000BASE-T
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### Serial

#### Ports

- 2 x RS-232/RS-485
- 

### I/O

#### DI/DO

- 1 x Digital In ("Logic 0": 0-2V, "Logic 1": 5V-30V)
  - 1 x Digital Out (Relay Mode, up to 30V/1A)
- 

## USB

### Standards

- USB 2.0

### Ports

- 1 x USB Type A
- 

## Micro SD

### Capacity

- Max. Storage of 64GB
- 

## Functions

### VLAN

- Port-based, Tag-based VLAN

### Port Forwarding

- Virtual Server/Computer (1-1), DMZ Host, PPTP/L2TP/IPSec Pass-through

### Routing

- Static, Dynamic: RIP1/RIP2, OSPF, BGP

### VPN

- IPSec, OpenVPN, PPTP, L2TP, GRE

### Firewall

- SPI Firewall with Stealth Mode, IPS

### Event Engine/Event Handling

- Managing/Notifying Events: DI, DO, Modbus, SMS, Syslog, SNMP Trap, Email Alert, Reboot
- 

## Cloud Development Platform

- Support Microsoft Azure
-

## Field Communication

### Virtual COM

- RFC2217, TCP Client, TCP Server, UDP

### Modbus

- Gateway for Modbus TCP, Modbus RTU/ASCII Master/Slave Access
- Slave for Device Status/Information Access

### Data Logging

- Sniffer, Off-line/Full-time Proxy, Mixed modes

### Data Interchange

- MQTT Broker, MQTT Client
- 

## 電源

### 輸入電壓

- DC 9V-36V

### 電力功耗

- 7.0W Max.
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## 機構

### 尺寸

- 31 x 99 x 130.6mm (w/o mounting brackets)

### 重量

- 0.9Kg (1.98lb)

### 安裝方式

- DIN-Rail
- 

## 環境

### 工作溫度

- -30 to 70°C (-22 to 158°F)

### 儲存溫度

- -40 to 85°C (-40 to 185°F)

#### 工作濕度

- 5% to 95% (無凝結)
- 

#### 通過認證

##### Safety

EN 60950-1

EN 62368-1: 2014

##### Emissions/Immunity

EW50-TA FCC/NCC/RCM

EW50-EUS FCC/CE/NBTC/NTC/KC\*/SDPPI\*\*

EW50-JP VCCI/JATE

##### Note:

KC\*: EW50 doesn't support SKT SIM card, suggest to use Global SIM card or Non-SKT SIM Card.

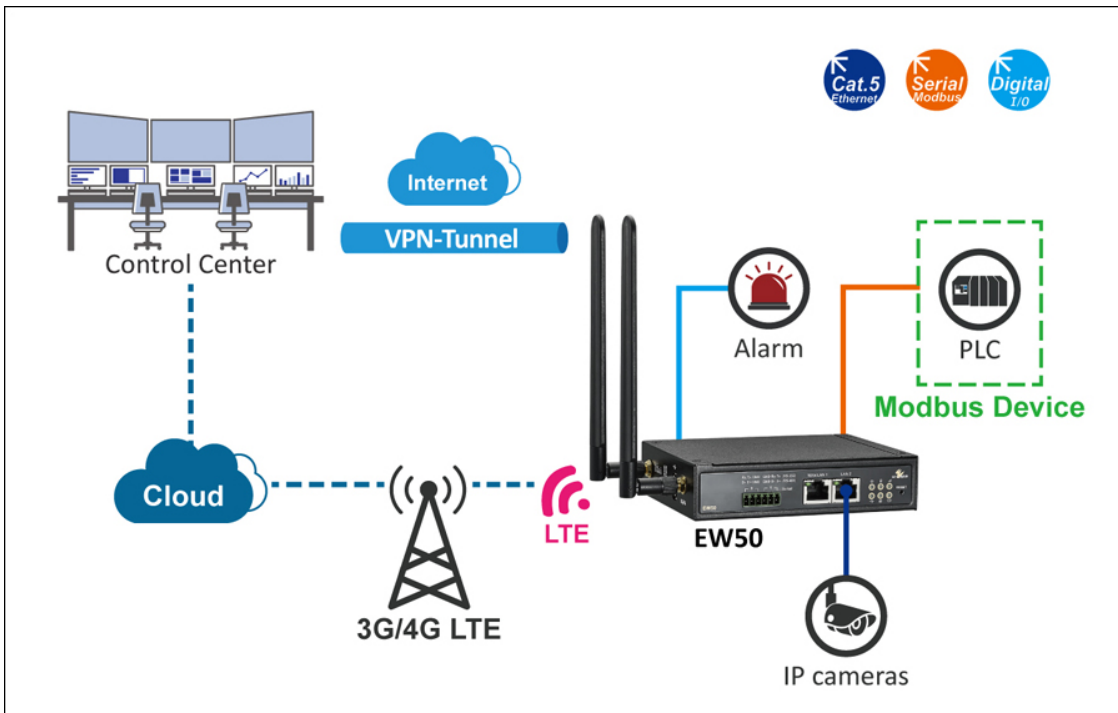
SDPPI\*\*: Indonesia Radio Type Approval

78410/SDPPI/2021

13696

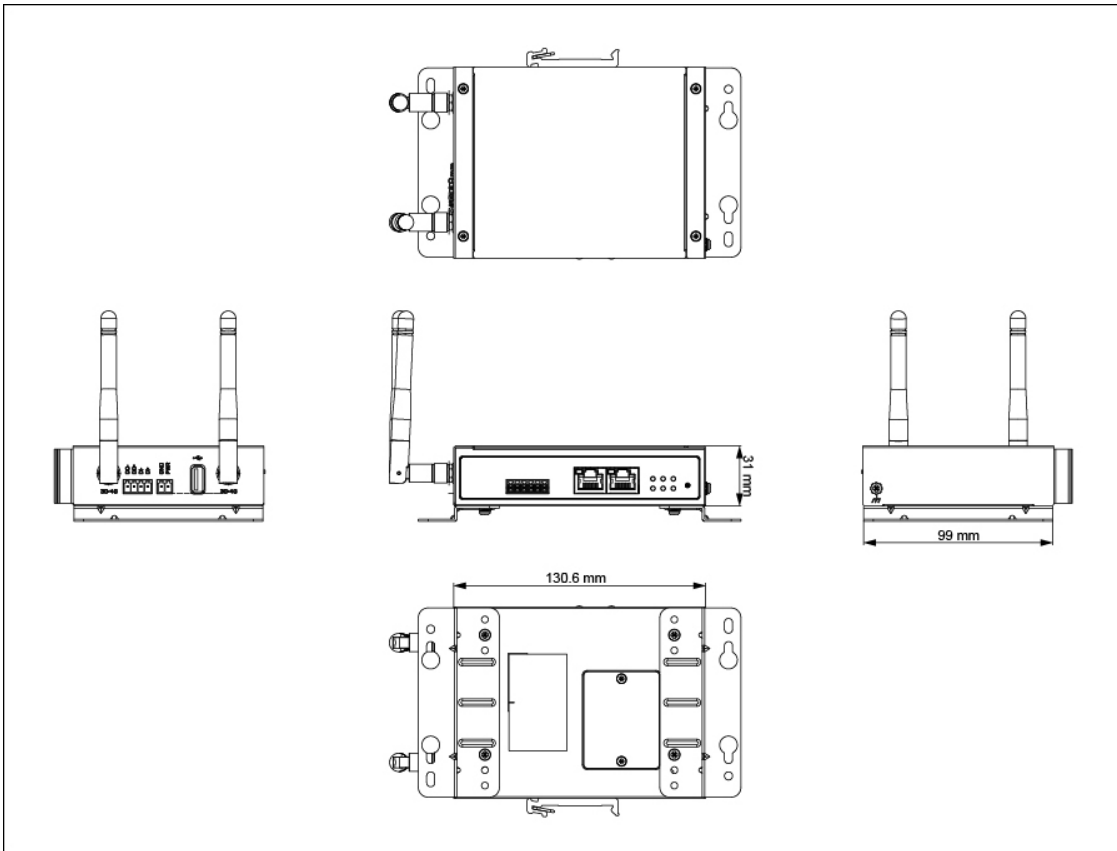
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## 產品應用圖





## 產品尺寸圖









## 訂購型號

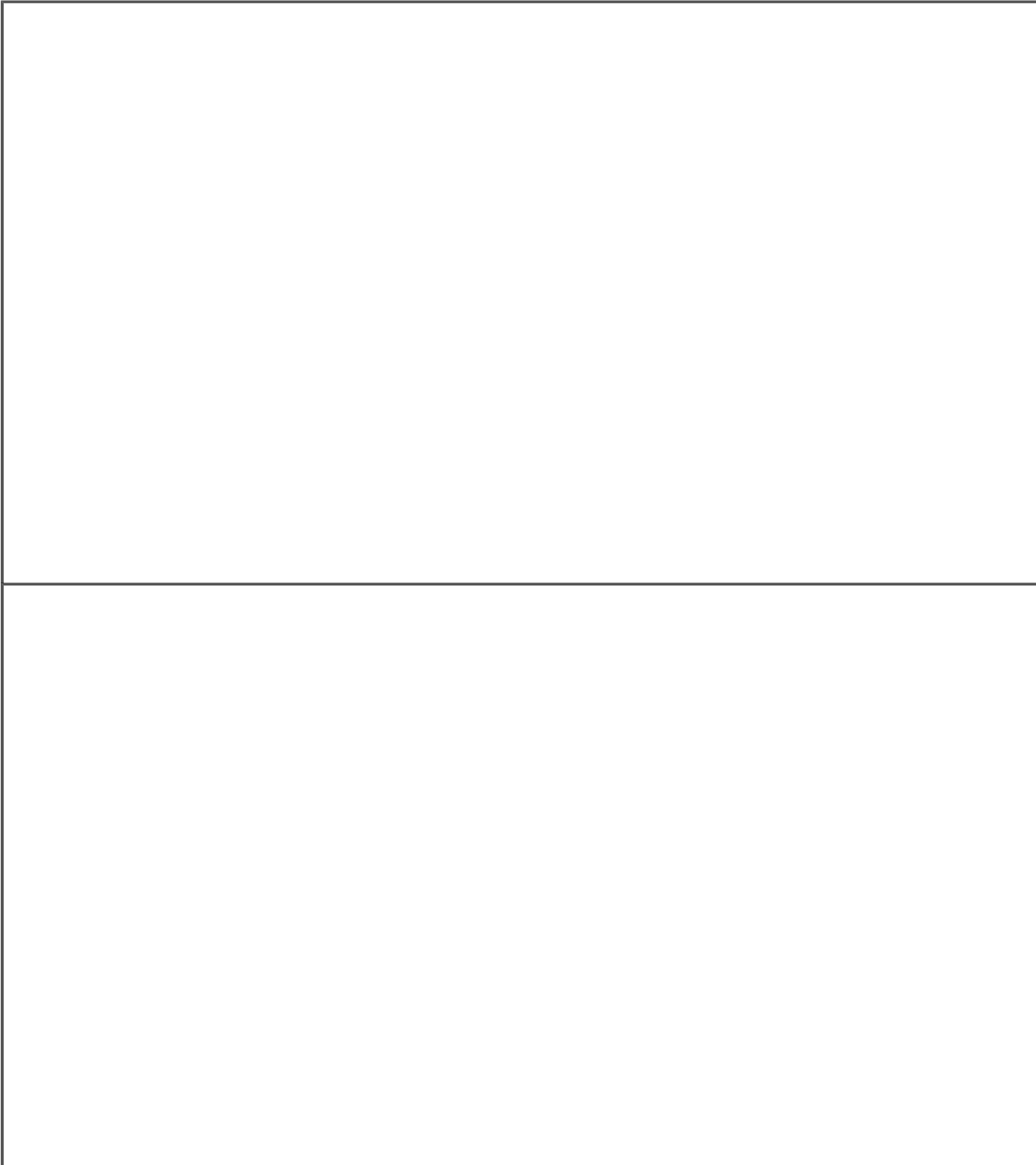
### 型號

EW50-EUS	Industrial LTE Cellular Gateway-EUROPE & SOUTH ASIA
EW50-TA	Industrial LTE Cellular Gateway-TAIWAN & AUSTRALIA
EW50-JP	Industrial LTE Cellular Gateway-JAPAN

### Optional Accessories

GWAP-1		Item	Amount	Frequency	Description	Note
		LTE	2	698-960/ 1710-2170/ 2300-2690MHz	Cellular Omni Antenna, N/female Jack Bulkhead	IP67
		Surge Protector	2	-	0-6GHz Surge Lightning Protector, N/female Jack Bulkhead To N/male Plug	IP67
		Bracket	2	-	-	-
		LTE Cable	2	-	SMA/male Plug To N/male Plug with NFC200 Cable	-
P/N.	Image	Item	Amount	Frequency	Description	Note
W96G-GY113HT46		Cellular Antenna Base	1	-	This antenna base can be used on EW50 / EW200 / AiR PACE LTE antenna to extend 1.5M. Each model needs 2 antenna bases. This antenna base is not IP67.	-
W96G-11361Y50S		Wall Mount Kit	1 set	-	1 set package includes 2 wall mount (Right side & Left side) & 4 pcs screws	-

## 影片





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