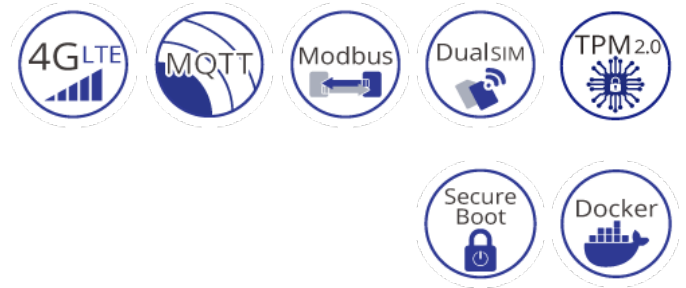


EW50-V 系列

工業級 LTE Cellular 行動通訊閘道器 - 強化資安，配備 Edge AI 智能助手 - Docker



產品介紹

EW50-V 工業LTE行動閘道器專為**工業物聯網（IIoT）和智慧製造**打造，提供高速4G LTE連接，確保遠程監控、電動車充電站、智慧交通執法等應用穩定運行。**內建Edge AI 智能助手 - Docker 容器技術**，簡化應用部署與數據管理，提升系統靈活性與可擴展性。此外，EW50-V 強化資安防護，採用多層加密技術、VPN 支援與防火牆機制，有效抵禦網路攻擊與未授權存取，確保企業數據安全。其高穩定性設計降低 網路中斷與停機風險，助力企業邁向工業 4.0 數位轉型，推動智能製造與自動化生產，提升營運效率與市場競爭力。

EtherWAN — "When Connectivity is Crucial."

產品亮點

+ 可靠、不間斷的連線品質

益網 **Garantie Link™** 技術，確保網路通訊穩定流暢
雙 Nano-SIM 故障切換機制，確保行動網路備援，減少連線中斷風險

Failover 管理技術，提升 4G LTE 連線穩定性，提供順暢的工業數據傳輸

+ 超強化資訊安全

支援 **IPSec 與 OpenVPN**，提供 **VPN 安全通道保護**，確保數據加密傳輸

可同時建立 **10 個安全通道**，提高網路存取安全性，防止未授權訪問

Secure Boot + TPM 2.0，防範惡意軟體攻擊，提供硬體級資安保護

可信任平台模組 (TPM) 提供硬體安全功能，協助管理和保護加密金鑰，增強設備安全性

+ Docker / Container 容器技術

支援 **Docker 容器運行環境**，可在容器內 **開發、部署與運行應用程式**

相容**多種容器化平台**，靈活整合 **AI、邊緣運算與 IoT 應用**

+ 工業等級高規設計

IP30、無風扇、金屬外殼設計

支援 -30 到 70°C (-22 至 158°F)的工作溫度

+ 多元介面靈活應用

支援 **乙太網路、序列、DI/DO 和 Modbus 橋接設備**
適用於 **M2M (機器對機器) 與 IIoT (工業物聯網) 架構**

+ 遠端控制

透過 **Pave2Edge IoT 設備管理工具**，可遠端 **設定變更、韌體更新與設備監控**

簡化工業 IoT 部署與維護，提升運營效率，助力企業數位轉型

產品規格

+ Cellular Interface

Standards

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

Antenna connector

2 x SMA Female

SIM Slot

2 Nano SIM

+ Field Communication

COM Port Transparent

TCP Client, TCP Server

Modbus

Gateway for Modbus TCP, Modbus RTU

Data Interchange

MQTT and Cloud

Data Logging

Monitoring Mode and Proxy mode

+ Cloud Development Platform

Platform

Support Microsoft Azure / AWS

+ Ethernet

Standards

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

+ Serial

Ports

2 x RS-485

+ Power

Input

DC 12 - 24V

Power consumption

8.5W Max.

+ Mechanical

Casing

Metal

Dimension

130 x 40 x 106 mm (w/o mounting brackets)

Weight

0.9Kg (1.98lb)

Installation

DIN-Rail

+ I/O Connectors

Ports

1 x Digital In ("Logic 0": 0-2V, "Logic 1": 5-30V)
1 X Digital Out (None-Relay Output, 30V/1A,
Sink Type , Normal Open)

+ SD Card

SD Card

Micro SD card x 1 (Up to 64GB)

+ Functions

Port Forwarding

Port Forwarding, DMZ

VPN

IPSec, OpenVPN

Event Engine/ Event Handling

Events: SMS, DI, Modbus, MQTT, PING, RSSI,
System

Actions: SMS, email, DO, Modbus, MQTT, System,
Reboot, LINE Message

RESTful API

Easy to remote configure settings

F/W Upgrade

By OTA (Over-the-Air)

+ Environment Limits

Operating Temperature

-30 to 75°C (-22 to 167°F)

Storage Temperature

-40 to 85°C (-40 to 185°F)

Ambient Relative Humidity

5% to 95%

+ Regulatory Approvals

Safety

IEC 62368-1: 2018

Emissions/Immunity

EW50-VEA CE/ TDRA / IMDA / NTBC / NTC

EW50-VT NCC BSMI

EW50-VUS

FCC

Cellular: PTCRB/AT&T/T-Mobile

EW50-VJP JATE

Standard Accessory

4G LTE antenna x 2

GPS antenna x 1 (US model only)

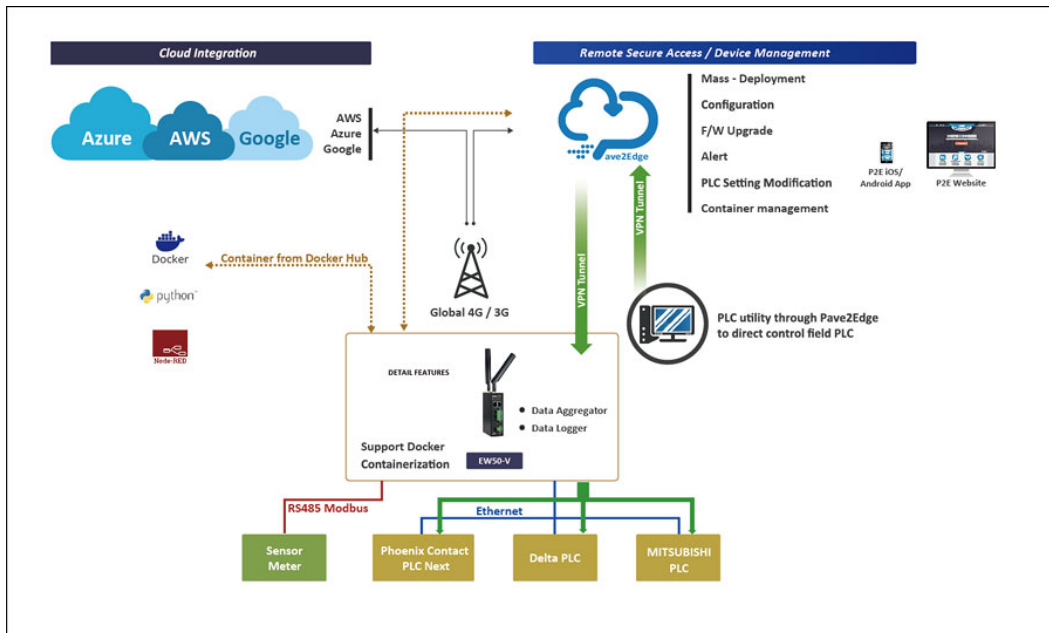
DIN Rail kit x 1 + 2 screws

6 PIN terminal block x 1

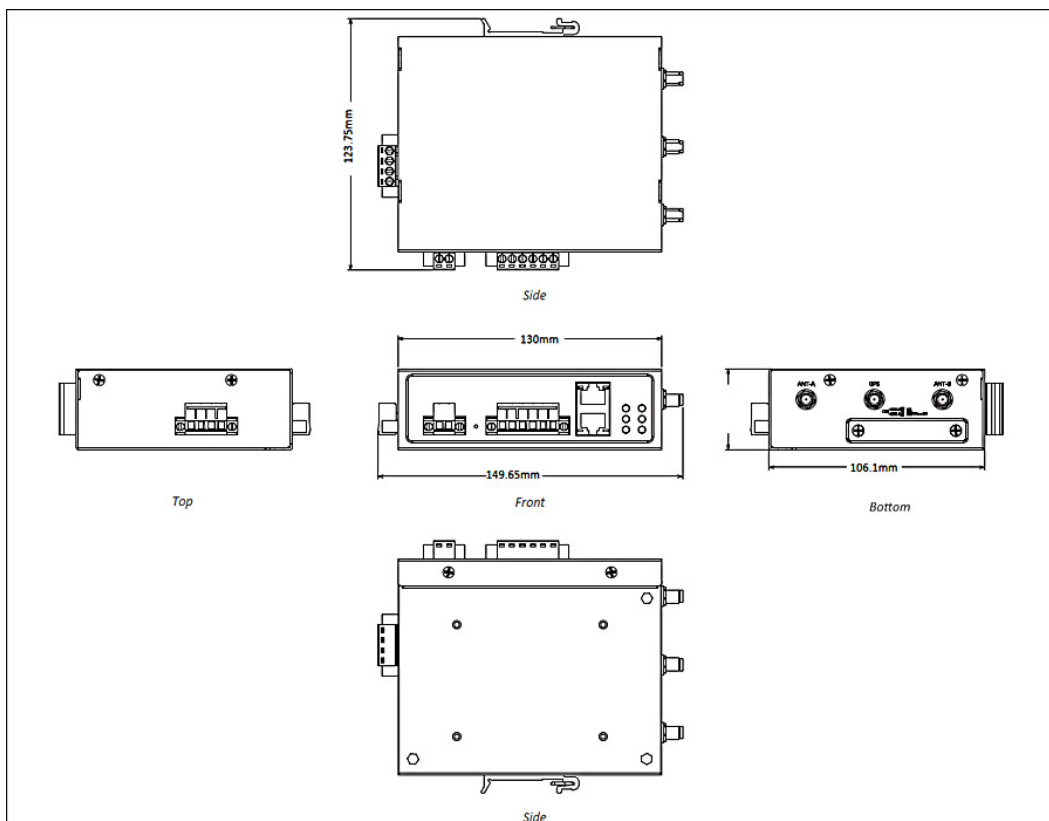
4 PIN terminal block x 1

2 PIN terminal block x 1

產品應用圖



產品尺寸圖



頻率段

	4G LTE		3G	Region
Sku Code	FDD LTE	TDD LTE	WCDMA	
EA	B1 (2100) / 3 (1800) / 5 (850) / 7 (2600) / 8 (900) / B20 (800)	B38 (2600) / B40 (2300) /B41(2500)	/B41(2500) B1(2100) / 5 (850) / 8 (900)	EU, APAC
US	B2 (1900) / B4 (2100) / B5 (850) / B13 (700) / B14 (700) / B66 (2100) / B71 (600)	B40(2300)	B2 (1900) / B4 (2100) / B5 (850)	USA
JP	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)	Japan
VT	B1(2100) / B2(1900) / B3 (1800) / B4(2100) / B5 (850) / B7 (2600) / B8 (900) / B12 (700) / B13 (700) / B18 (850) / B19 (850) / B20 (800) / B26 (850) / B28 (700) / B66 (2100)	B38 (2600) / B40 (2300) / B41 (2500)		Taiwan

訂購型號

+ Model

EW50-VEA	Industrial LTE Cellular Gateway-EU & APAC
EW50-VUS	Industrial LTE Cellular Gateway-USA
EW50-VJP	Industrial LTE Cellular Gateway-Japan
EW50-VT	Industrial LTE Cellular Gateway-Taiwan

+ Optional Accessories

HDR-30-12	24W/ 2A DIN Rail 12VDC Industrial Power Supply					
HDR-30-24	30W/1.5A DIN-Rail 24VDC Hardened Power Supply					
	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	-
Image	P/N.	Item	Amount	Frequency	Description	Note



W96G- Magnetic Cellular 1 -
T00B- Antenna Base
A1A3

This Not
magnetic antenna base IP67
can be used on EW50 /
EW50-V / EW200 series.
Cable length is 2M.Each
model needs 2 antenna
bases.

+ Tune-up Power

Technologies	Frequency range (MHz)	Max. Transmit Power	Tune-Up Power Tolerance
WCDMA Band I	1920-1980 MHz	24dBm	+1/-3dB
WCDMA Band VIII	880-915 MHz	24dBm	+1/-3dB
LTE Band 1	1920-1980 MHz	23dBm	±2dB
LTE Band 7	2500-2570 MHz	23dBm	±2dB
LTE Band 8	880-915 MHz	23dBm	±2dB
LTE Band 20	832-862 MHz	23dBm	±2dB
LTE Band 38	2570-2620 MHz	23dBm	±2dB
LTE Band 40	2300-2400 MHz	23dBm	±2dB

