

EW200 系列

工業級 4G LTE 行動通訊與 Wi-Fi 閘道器



Microsoft
Azure
Certified



產品亮點

+ 多元介面彈性搭配

可連接各種領域的乙太網路、串列 I/O (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
虛擬 COM 可存取、控制及管理連接之串列設備
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
支援 Gigabit 乙太網路、內建備援協定 VRRP 及回復機制，以確保遠端設備與控制中心之間的行動通訊

+ 全面資安防護

支援 IPsec、OpenVPN、PPTP 和 L2TP VPN 存取通道最大 100 Mbps 傳輸量 (IPsec)
支援 Gigabit 乙太網路、內建備援協定 VRRP 及回復機制，以確保遠端設備與控制中心之間的行動通訊

+ 工業等級設計

IP30、無風扇、金屬外殼設計
支援 -30 到 70°C (-22 至 158°F) 的操作溫度
雙電源輸入備援機制 (透過端子台)

+ 物聯網雲端連結

採用 MQTT 協定

產品介紹

EW200 為一款智慧型工業級行動通訊閘道器，結合 IEEE 802.11b/g/n/ac 無線網路和 4G LTE 行動通訊，專為關鍵基礎設施和工業應用而設計，在惡劣環境提供可靠和安全的連接。EW200 內建四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，可連結多達 4 個網路設備，並支援雙 SIM 卡故障備援，以確保連線不中斷，最適合遠端安全監控管理。

EW200 通過 Microsoft Azure 物聯網設備認證。還能透過無線網路、乙太網路、串列訊號和數位 I/O 提供最佳傳輸品質，滿足大部分的應用。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，EW200 是一款適合各種嚴苛應用環境的工業級行動通訊路器與閘道器。

[EW200 Series Industrial LTE Cellular Gateway](#)

頻率段

可選的頻段區域代碼

貨品編碼	4G LTE		3G	2G	地區
	FDD LTE	TDD LTE	WCDMA	GSM/EDGE	
TA	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)	台灣
EUS	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)	歐盟，越南，泰國

產品規格

+ Cellular Interface

Standards

- Cellular Frequency Bands: (Please see order information for optional band)
- 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

+ WLAN Interface

WiFi

- 802.11 a/b/g/n/ac 2T2R (2.4G/5GHz selectable)

Frequency Band

- Europe CE 2.4GHz (13 channels) 5GHz (4 channels)
- America FCC 2.4GHz (11 channels) 5GHz (9 channels)
- Taiwan NCC 2.4GHz (11 channels) 5GHz (9 channels)
- Singapore iDA 2.4GHz (13 channels) 5GHz (9 channels)

channels)

- Japan TELEC & JATE 2.4GHz (13 channels)
5GHz (19 channels)

Encryption Security

- WEP, WPA 1/2-PAK & WPA 1/2 (8 x VAP/SSID)

Antenna Connector

- 2 x SMA Male

+ Ethernet

Standards

- IEEE 802.3 10Base-T
- IEEE 802.3u 100BASE-TX/100BASE-FX
- IEEE 802.3ab 1000BASE-T
- IEEE 802.1x, Full duplex flow control

Ports

- 1 x RJ45 GE (WAN/LAN configurable) +4 x RJ45 GE

Physical Layer

- 10/100/1000Base-T

+ Serial

- Ports • 1 x RS485

+ 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

+ Functions

WiFi LAN

- AP Router, WDS, WDS Hybrid Modes

VLAN

- Port-based, Tag-based VLAN

Port Forwarding

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

Routing

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

QoS

- Policy-based Bandwidth Control and Packet Flow Prioritization

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

Device Management Solution

- eVue

+ 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 Interchange

- MQTT Broker, MQTT Client

Data Logging

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

+ Power

Input

- DC 12V-48V (Terminal Block)

Power Consumption

- 25W Max.

+ Mechanical

Dimension

- 62 x 135 x 160mm (with DIN-Rail kit)

Weight

- 1.2Kg (2.64lb)

Installation

- DIN-Rail

+ Environmen

Operating Temperature

- -30 to 70°C (-22 to 158°F)

Storage Temperature

- -40 to 85°C (-40 to 185°F)

Ambient Relative Humidity

- 5% to 95% (non-condensing)

+ Regulatory Approval

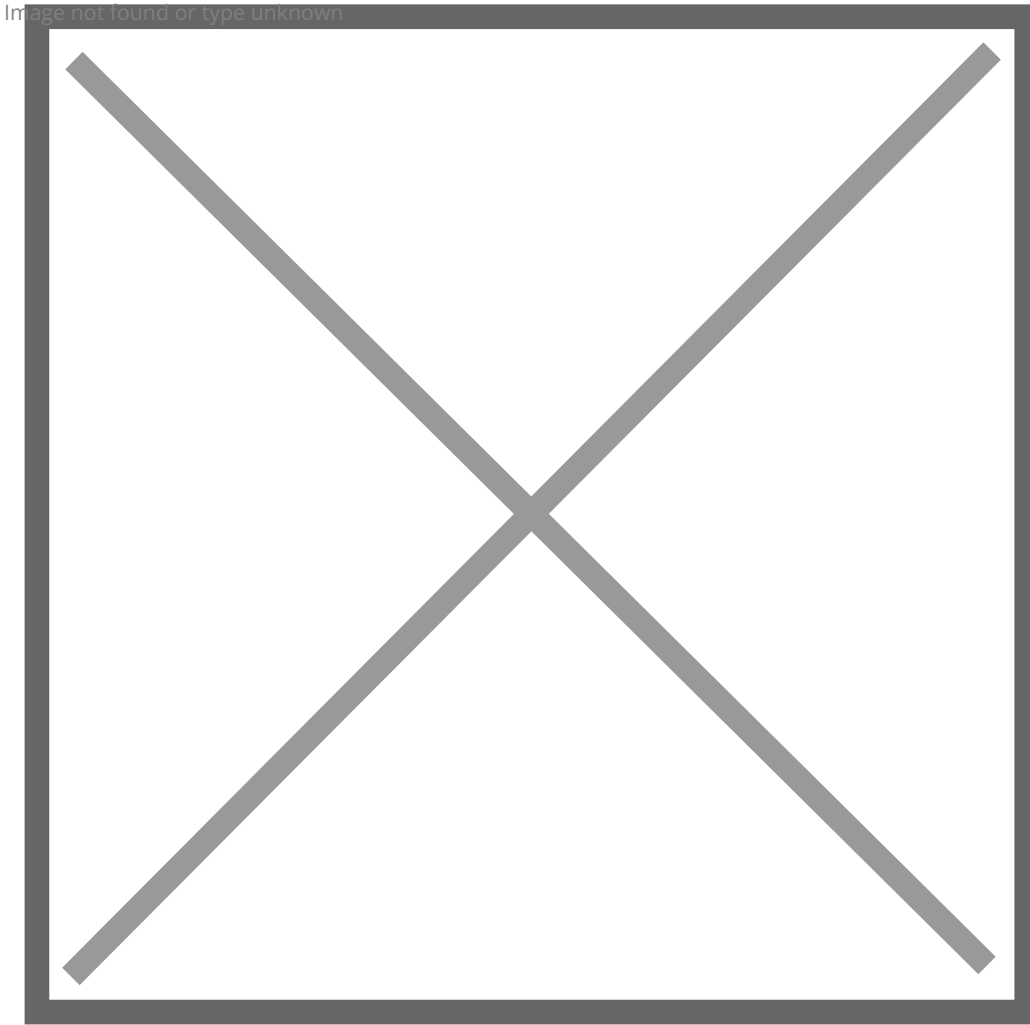
Safety

- EN 60950-1
- EN 62368-1: 2014

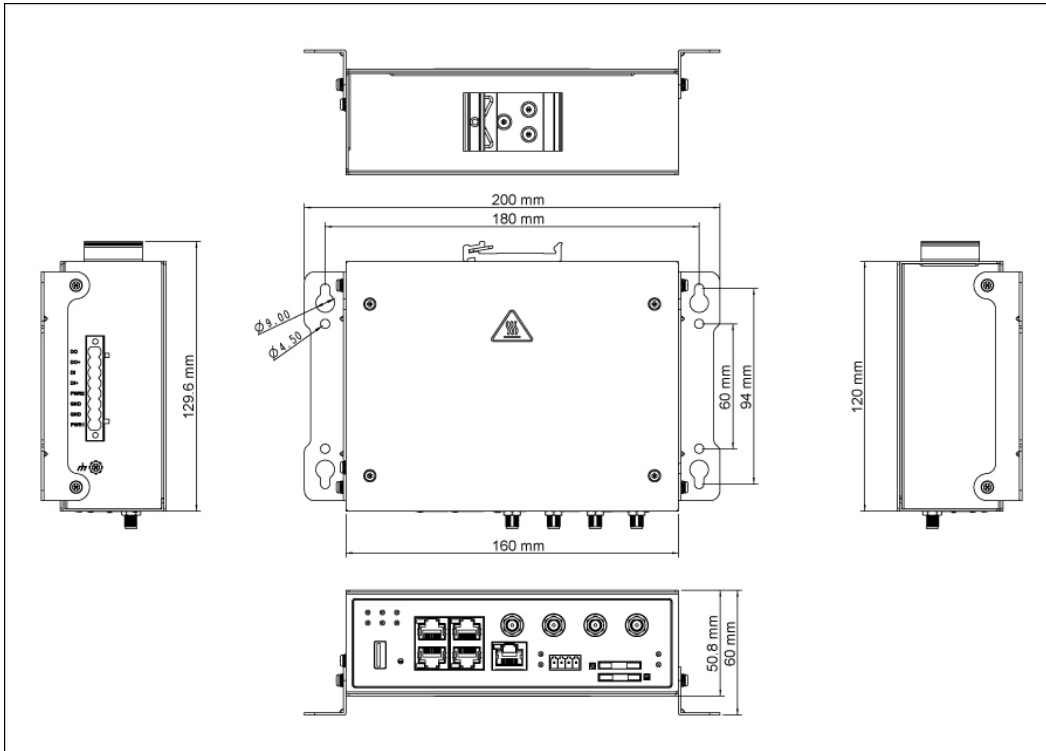
Emissions/Immunity

- CE/NCC BSMI/NBTC

產品應用圖



產品尺寸圖






訂購型號

型號

EW200-EUS	Industrial LTE Cellular Gateway-EUROPE & SOUTH ASIA
EW200-TA	Industrial LTE Cellular Gateway-TAIWAN

配件選購

GWAP-2		項目	數量	頻率	說明	備註	
		LTE	2	698-960/ 1710-2170/ 2300-2690MHz	Cellular Omni Antenna, N/female Jack Bulkhead	IP67	
		Wi-Fi Antenna	2	2.4-2.5/ 4.9-5.9GHz	Wi-Fi Omni Antenna, N/female Jack	IP67	
		Surge Protector	4	-	0-6GHz Surge Lightning Protector, N/female Jack Bulkhead To N/male Plug	IP67	
		Bracket	4	-	-	-	-
		Wi-Fi Cable	2	-	SMA/female Plug (reverse) To N/male Plug with NFC200 Cable	-	
		LTE Cable	2	-	SMA/male Plug To N/male Plug with NFC200 Cable	-	

P/N.	圖片	項目	數量	頻率	說明	備註
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-11361Y50V		Wall Mount Kit set	1	-	1 set package includes 2 wall mount (Right side & Left side) & 4 pcs screws	-

影片



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