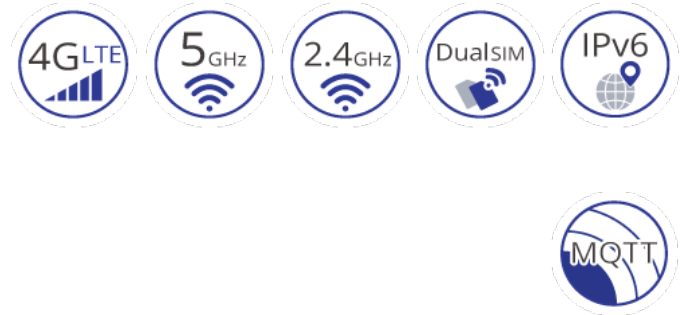


EW200 Series

Industrial LTE Cellular with IEEE 802.11 a/b/g/n/ac Wi-Fi Gateway



Microsoft
Azure
Certified



Overview

The EW200 is an intelligent industrial grade gateway that combines IEEE 802.11b/g/n/ac WLAN and 4G LTE cellular technologies designed for critical infrastructure and industrial applications. It offers flexible connectivity over cellular and Wireless LAN for harsh environments, giving operations and IT real-time awareness with remote monitoring. It allows up to 4 Ethernet device links and provides dual SIM cards for failover redundancy to ensure uninterrupted connectivity. The EW200 is a certified Microsoft Azure IoT Device.

Moreover, it delivers best-in-class multi path connectivity with Wireless, Ethernet, serial, and digital I/O to satisfy most applications. Global LTE options make it easy to get connected.

[EW200 Series Industrial LTE Cellular Gateway](#)

Spotlight

+ Flexible Connectivity for Critical Applications

Ethernet, serial, DI/DO and Modbus bridging for connecting diverse field assets

Virtual COM allows for access, control, and management of a connected serial device

Ideal for M2M and industrial IoT applications

+ Reliable and Uninterrupted Connection

Equipped with dual SIM cards for failover

Failover management for network reliability

With Gigabit Ethernet, built in redundancy protocol-VRRP and recovery mechanism continuous communications between remote devices and control center are safeguarded

+ Comprehensive Data Security

IPSec, OpenVPN, PPTP, and L2TP VPN support up to 16 concurrent tunnels with max 100Mbps throughput (IPSec).

+ Rugged Industrial Design

Features metal housing with fan-less cooling, IP30
Supports -30 to 70°C (-22 to 158°F) operating temperature

Redundant power inputs on terminal block connector

+ IoT Cloud Connectivity

Leverage MQTT protocol

Specifications

+ 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)

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

+ 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

+ Power

Input

DC 12V-48V (Terminal Block)

Power Consumption

25W Max.

+ 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

+ 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)

+ 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

+ Mechanical

Dimension

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

Weight

1.2Kg (2.64lb)

Installation

DIN-Rail

+ Regulatory Approval

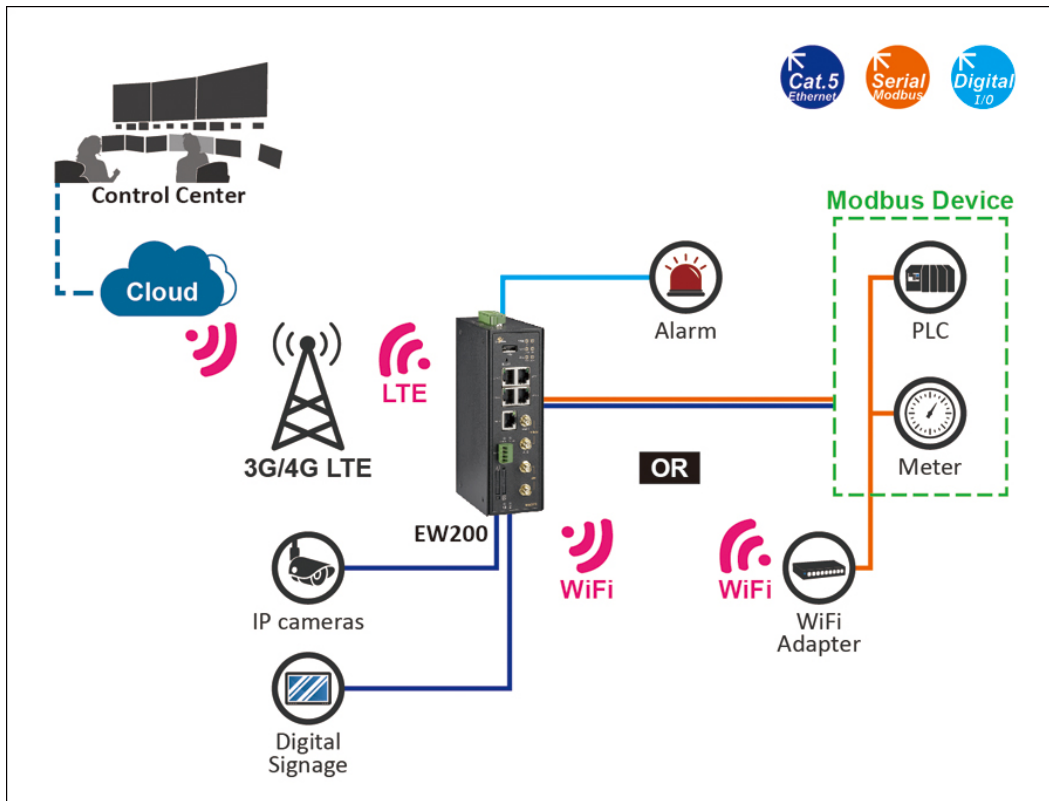
Safety

EN 60950-1
EN 62368-1: 2014

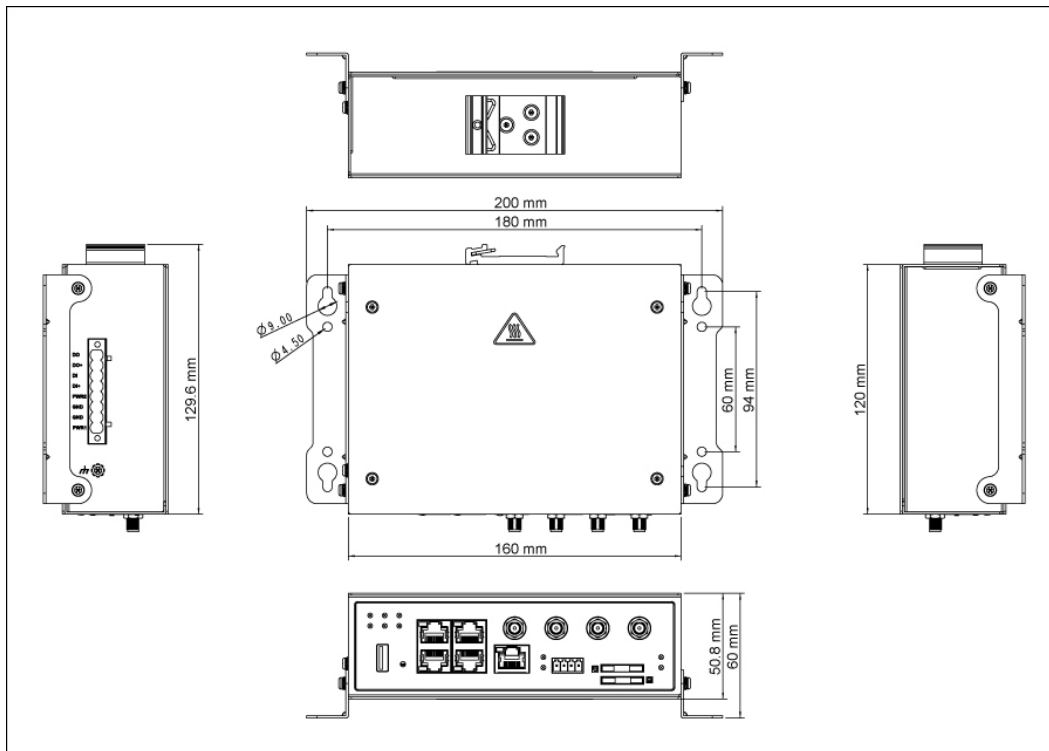
Emissions/Immunity

CE/NCC BSMI/NBTC

Application



Dimensions



Frequency Bands


	4G LTE		3G	2G	Region
Sku Code	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)	Taiwan
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)	EU, Vietnam, Thailand


Ordering Info

+ Model

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

+ Optional Accessories

GWAP-2	Item	Amount	Frequency	Description	Note
	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.	Image	Item	Amount	Frequency	Description	Note
W96G-T00B-A1A3		Magnetic Cellular Antenna Base	1	-	This magnetic antenna base can be used on EW50 / EW200 series. Cable length is 2M.Each model needs 2 antenna bases. Not IP67.	-

W96G-11361Y50V



Wall Mount Kit 1 set -

1 set
package
includes 2
wall mount
(Right side
& Left side)
& 4 pcs
screws -

