

# MS-UG65-868M-EA

LoRaWAN Gateway

Up to 2Km range

8 channels and connection to 2000  
devices

Ethernet, WiFi communication

Degree of Protection IP65



Milesight

LoRaWan IoT Gateway

8 half/full-duplex channels

Supports connection to more than 2000 end devices

Communication range up to 2km in urbanized environments (15Km with direct vision)

Ethernet and WiFi

Built-in network server

Frequency 868MHz

Degree of Protection IP65

# Specifications

Hardware	CPU: Quad-core 1.5 GHz, 64-bit ARM Cortex-A53 Memory: 512 MB DDR4 RAM Flash: 8 GB eMMC
Antennas	1x External Lora Antenna N-Female Connector Internal Wi-Fi Antenna
Channels	8
Connected devices	2000 end devices
Frequency Band	868 MHz
Sensitivity	140dBm@292bps
Power Output	27dBm Max.
Protocol	V1.0 A-Class / B-Class / C-Class and V1.0.2 A-Class / B-Class / C-Class
Ethernet	1x RJ45 10/100/1000Mbps Base-T (IEEE 802.3) Full or Half-Duplex mode with auto-detection Auto MDI/MDIX
WiFi	IEEE 802.11 b/g/n
WiFi Transmission Power	802.11b: 18 dBm +/-2.0 dBm (11 Mbps) 802.11g: 15 dBm +/-2.0 dBm (6 Mbps) 802.11g: 15 dBm +/-2.0 dBm (54 Mbps) 802.11n@2.4 GHz: 14 dBm +/-2.0 dBm (MCS0_HT20) 802.11n@2.4 GHz: 14 dBm +/-2.0 dBm (MCS7_HT20) 802.11n@2.4 GHz: 13 dBm +/-2.0 dBm (MCS0_HT40) 802.11n@2.4 GHz: 13 dBm +/-2.0 dBm (MCS7_HT40)
Network Protocols	PPPoE, SNMP v1/v2c/v3, TCP, UDP, DHCP, DDNS,HTTP, HTTPS, DNS, ARP, SNTP, Telnet, SSH, MQTT, etc.
VPN Tunnel	OpenVPN/IPsec/PPTP/L2TP/GRE/DMVPN
Access Authentication	CHAP/PAP/MS-CHAP/MS-CHAPV2
Firewall	ACL/DMZ/Port mapping/MAC binding/URL filtering
Management	Web, CLI, SMS, On-Demand Phone Access, Hub, Milesight IoT Cloud
Reliability	WAN failover
Integrated functions	Watchdog, RTC, Timer
Power	9-24V DC, PoE 802.3af, ? 4,2Max.
Operating temperature	-40°C to 70°C (Relative humidity)
Temperatura de almacenamiento	-40°C a 85°C
Aislamiento ethernet	1.5kV RMS
Grado de Protección	IP65
Dimensiones	180 (Fo) x 110 (Al) x 56,5 (An) mm
Montaje	Escritorio, Techo o Poste
Otros	1x Botón de Reset 1x Puerto de consola Conector Tipo-C
Certificados	CE, FCC