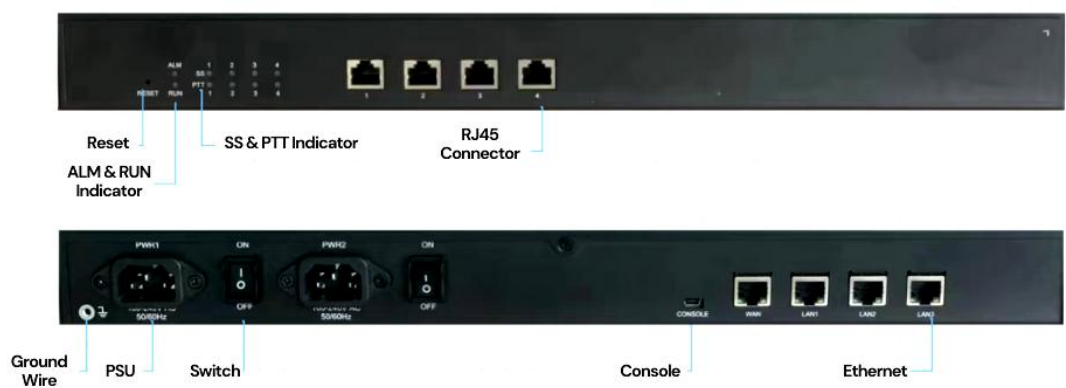


SMG1000-D4EM

Radio Gateway

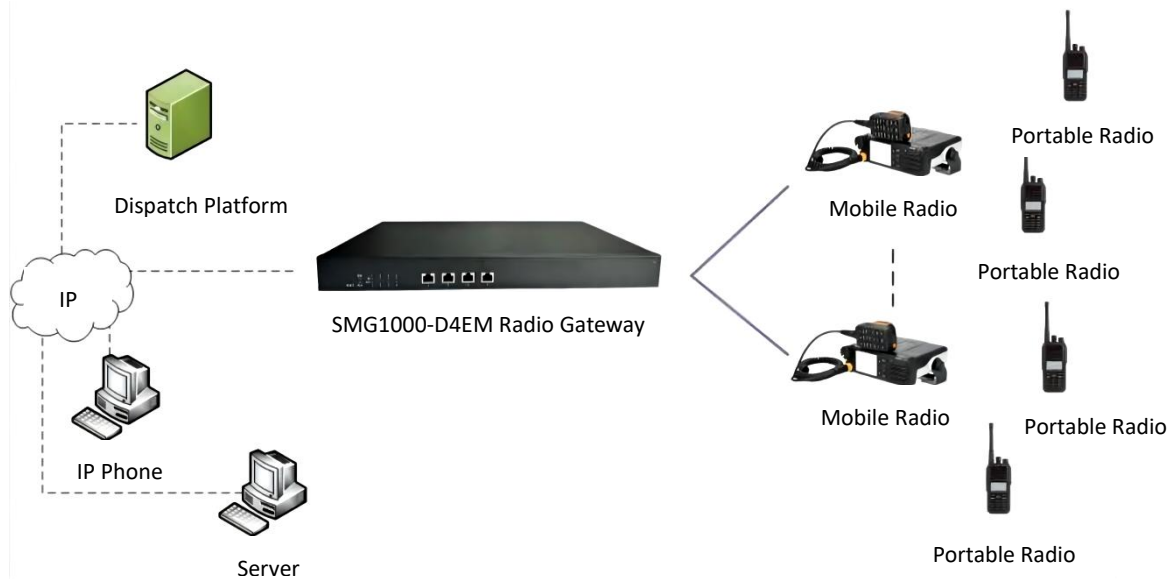
The Synway SMG1000-D4EM Radio Gateway is a cutting-edge device designed for bidirectional voice communication, Push-to-Talk (PTT), and signal interaction, enabling seamless integration with analog and digital mobile radios, including renowned brands such as MOTO, Hytera, FHF, ZTE, and more. This gateway excels in facilitating wireless cluster communication and network connectivity.



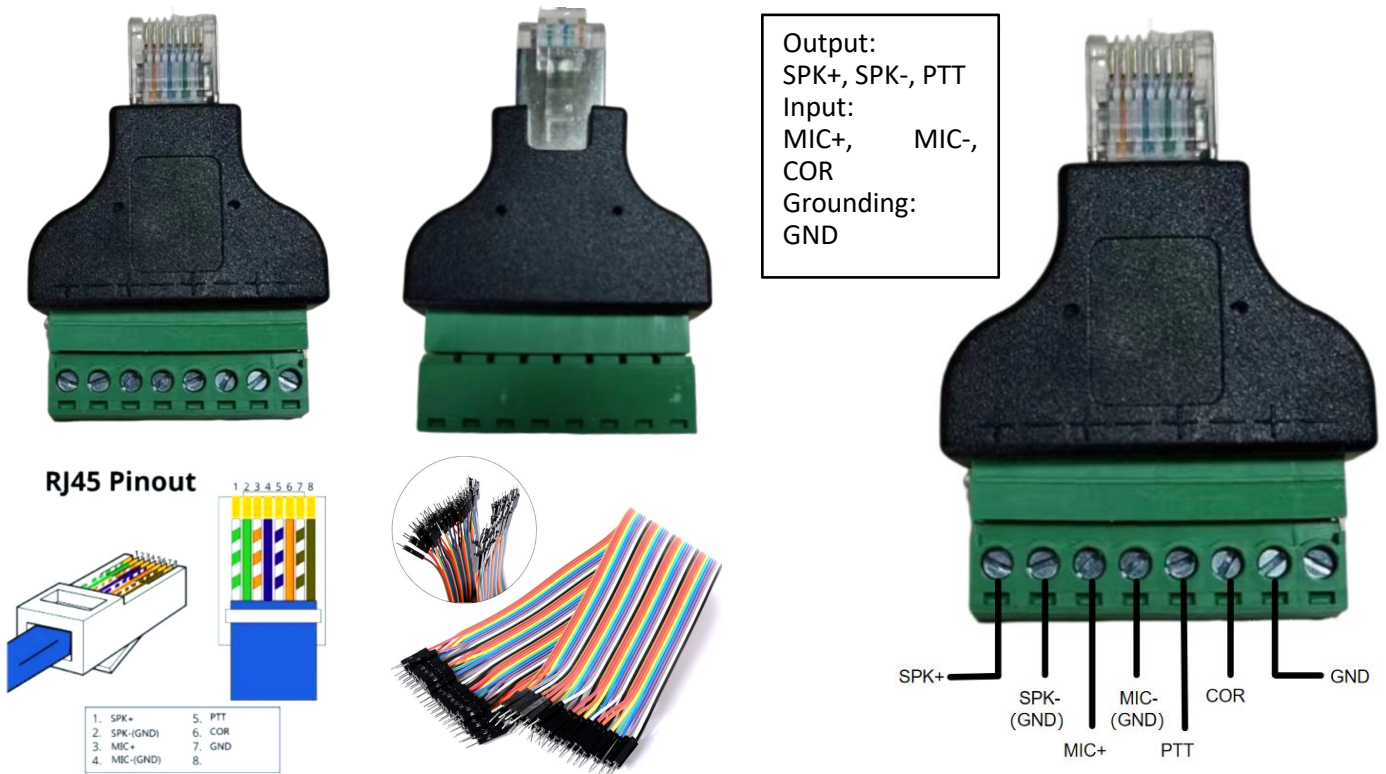
Key Features and Benefits

- Capacity: Supports up to 4 RJ45 interface EM relay connections per unit.
- RTP Encoding: Supports various RTP encoding formats, including G711A, G711U, G729, G723, AMR, iLBC, and more.
- Mobile Radios: Compatible with a range of mobile radios, including MOTO 3688, FHF FHDM8668, Hytera MD780, Hytera PD780, ZTE PM790, and others.
- High Reliability: Incorporates watchdog processes and hardware watchdog for enhanced reliability.
- Compatible Protocols: Supports SIP V1.0/2.0, RFC3261.
- WEB Configuration: Easily configurable through a web interface.
- Language Support: User interface available in Chinese.
- Software Upgrade: Convenient upgrade via web-based user interface for gateway services, kernel, and firmware.
- Dual AC Power Supply: Equipped with dual AC power supplies for redundancy.
- Four Gigabit Ethernet Ports: Includes 1 WAN port and 3 LAN ports.
- 1U Rack-Mountable: Housed in a compact 1U chassis for easy integration.

Application Scenario:



EM Interface:



Supported Radios and Models:

- Kenwood TK-8360 Mobile Radio
- Hytera MD780 Mobile Radio
- Motorola 3688 Mobile Radio
- Fenghuo FHDM8668 Mobile Radio
- Hytera PD780 Portable Radio
- ZTE PM790 Mobile Radio
- Motorola GMWN4299A Mobile Radio
- Motorola PMWN4010B Mobile Radio
- Eastcom D5235 Mobile Radio
- Android VR6810 Mobile Radio
- Haige Hengtong AP-500 Mobile Radio
- Hytera TD580 Portable Radio
- Haige AP-330 Portable Radio
- Haige AP-700 Mobile Radio
- China Mobile H11 Portable Radio
- Motorola 6660 Mobile Radio
- Tokker M6 Portable Radio

Adaptation Process for Mobile and Portable Radios:

1.Previously Integrated Models: If the model has been integrated before, refer to the documentation and provide the wiring sequence to the customer.

2.New Models:

- For mobile radios: The customer must provide the wiring sequence for both the front and rear accessory interfaces.
- For Portable radios: The customer must provide the wiring sequence for the side headset interface. Note: The wiring sequence is mandatory.

3.Receiving the Wiring Sequence:

- If possible, the customer should send the radios to the company for adaptation. When returning the radios, ensure to include at least two units (e.g., Portable + Portable, or Portable + mobile radio) for testing the call quality.
- If sending the radios is not feasible, the company will remotely guide the customer to connect the wires based on the provided wiring sequence. Note: Some headset wires have insulation varnish on each core that needs to be removed for effective connection.

4.Successful Adaptation of New Models: Upon successful adaptation of a new model, update the wiring sequence details in the "Mobile Radio Interface Wiring Sequence Access Document".

Technical Specification:	
External Interfaces:	
EM Interfaces:	4 RJ45
Debug Interface:	1 Mini-USB
Network Interfaces:	4 Gigabit Ethernet Ports
Factory Reset Button:	Resets the gateway to factory settings
Indicators:	
SS Indicator:	Channel status indication Steady On: SIP account registered successfully Off: Unregistered or registration failed Blinking: Call in progress Fast Blinking: Channel detects COR (Carrier Operated Relay)
PTT Indicator:	PTT status indication On: PTT pressed on the EM side Off: PTT not pressed on the EM side
RUN Light:	Operational status indication Off: System not started On: System starting up Blinking: Device operating normally
ALM Light:	Alarm indication Off: Device operates normally On: Device normal during startup, abnormal during operation Blinking: Device abnormal during operation
Other Specifications:	
Power Consumption:	12W
Operating Temperature:	0 to 40 °C
Storage Temperature:	-20 to 85 °C
Operating Humidity:	8% to 90%, non-condensing
Storage Humidity:	8% to 90%, non-condensing
Dimensions (mm):	440 x 267 x 44
Weight:	Approximately 3kg

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HANGZHOU SYNWAY INFORMATION ENGINEERING CO., LTD.

Founded in 1995 in Hangzhou, SYNWAY is a leading global provider of IP Unified Communication products including VoIP Gateways, IP PBXs and SBCs, We have been delivering more agile, efficient and affordable communication solutions and unparalleled communication experiences to our customers with our reliable, innovative and future-proof products for years. Through our value-added distributors and resellers worldwide, now SYNWAY serves telecom operators, service providers, system integrators, enterprises, SMBs and OEM partners in over 100 countries.