

# RoIP RADIO GATEWAY ve-pg4



The VE-PG4 interface allows you to extend the range of your radio network via the Internet.

This gateway notably allows the interconnection of different radio networks using different technologies and frequencies: analogue, digital (NXDN, dPMR, etc.), LTE, Wifi, VHF, UHF, etc.

### Many features

Network extension / Communications deportation / Telephone interface (SIP and GSM) / Call log / Connection of external devices (sirens, warning lights, loudspeakers, etc.) / Recording of communications.

In its standard version, the VE-PG4 integrates, like the VE-PG3, a RoIP system, a SIP gateway, an IP router and IPBX functionalities.

However, the VE-PG4 differs from its predecessor by also integrating an LTE module, a WLAN controller for managing WiFi portables, a 4-channel recorder and a digital voice converter for interconnecting NXDN/dPMR digital radios.

For ease of integration, the VE-PG4 is presented in a 1U 19" rack format that can be integrated into a standard bay.

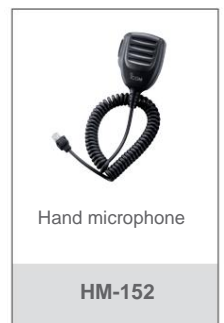
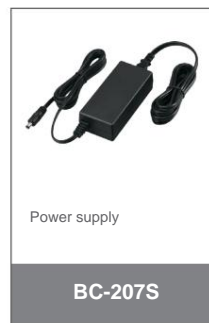
### Many connection ports

The VE-PG4 interface comes with many connection ports: • A WAN port

- A LAN port
- Four external connectors for connecting radio equipment and/or external devices such as sirens, warning lights, etc.
- A USB flash memory port for data storage (positions GPS and communications recording).



flash code



**APPLICATION EXAMPLES:**

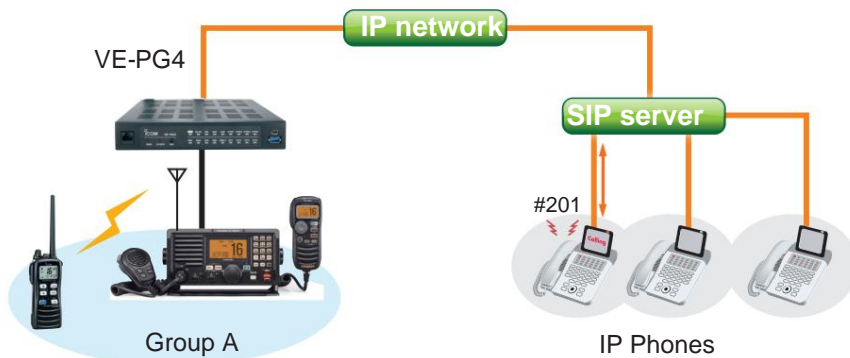
**“Point-to-point” mode: Inter-site interconnection**



**Marine VHF**

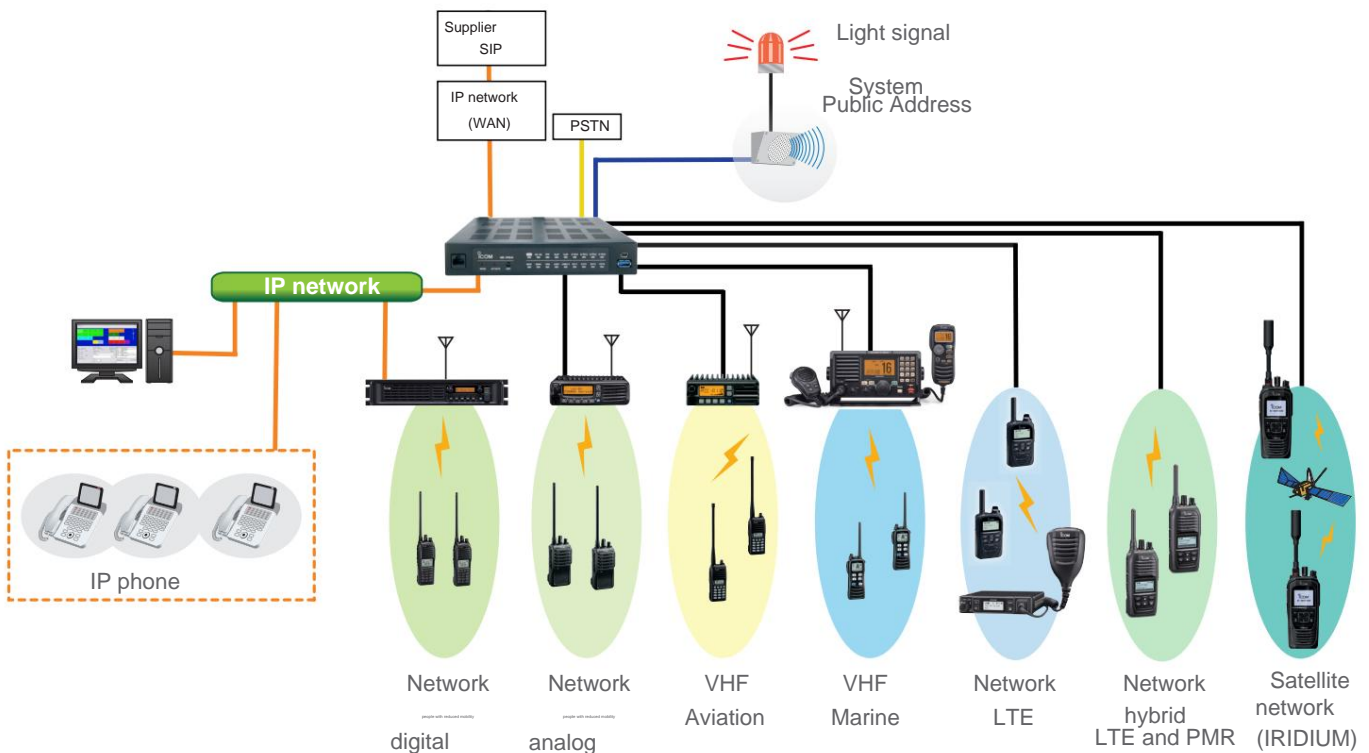
- Point-to-point mode makes it possible to interconnect two distant radio networks via the Internet
- With the selective call mode, several remote sites can be connected to each other
- SM-26 or HM-152 microphones can be connected to the VE-PG4 for "point-to-point" use (DTMF codes do not be used)

**“Gateway” mode: Interconnection of a radio network with a telephone interface**



- The VE-PG4 can be used as a radio and SIP gateway (RFC 3261 Compliant)  
In this mode, users of IP telephones (PSTN, SIP and GSM) can contact the radios by calling a pre-programmed number
- The VE-PG4 is a simplified SIP server which can control at least 4 SIP accounts

**“Hybrid” mode: Interconnection with third-party communication systems**



- The VE-PG4 makes it possible to interconnect networks using different communication technologies (marine VHF networks, PMR VHF/UHF, aviation VHF, LTE (4G) networks, IP networks, SIP servers, etc. )
- The system can be controlled by supervision software (IP100FS)