

## 4G-LTE Radio Gateway

Solution for interconnection of radio terminal fleets with PoC platforms



### SITERA<sup>plus</sup> Gateway

#### Benefits and Features:

The SITERA<sup>plus</sup> Gateway allows enterprises with PMR, DMR or TETRA radio terminal fleets to interconnect with PoC platforms. This allows to keep using the most suitable technology on each environment while keeping the global communication

#### Flexibility:

The SITERA<sup>plus</sup> Gateway allows a wide possibilities of interconnection modes, linking not only PMR, DMR or TETRA fleets with PoC platform, as well as between them. For example, one PMR VHF network with PMR UHF, or a MOTOTRBO with a TETRA group and a PMR channel. The SITERA<sup>plus</sup> gateway supports multiple methods of integrated communications: Ethernet, WIFI, 4G-LTE. The system is flexible enough to adapt to the different scenarios of communication that the user would require.

#### Scalability:

Sitera<sup>plus</sup> Gateway allows to extend the coverage further than the radio network coverage. Allows the interconnection of fleets with different locations without the necessity of radio links and global coverage. The network can be extended in number according to the needs of the service. The gateway is physically presented in a 19" 3U-14HP Rack module. This makes it possible to reduce cabinet occupancy when many channels are installed (6 channels for every 3U).

#### Hardware specification:

##### Connectivity:

- RTL8211F-GG GbE LAN
- M.2-802.11 a/b/g/n/ac Wireless
- BT 5.0 (2T2R)
- TDD-LTE B38/B40/B41
- FDD-LTE B1/B3/B5/B7/B8/B20
- WCDMA/HSDPA/HSPA+ B1/B5/B8
- GSM/GPRS/EDGE 900/1800 MHz

##### USB:

- 4 x USB 3.2 Gen 1 Type-A

##### Radio Control RJ50:

- 1 NPN input(5V-12V)
- 1 NPN output (5V TTL o 12V Open collector)
- 4 outputs (5V TTL) \*
- 1 TTL or RS232 serial port \*

##### Power Supply Module:

- 12V c.c. 1Amax

##### Dimension Module:

- 3U 14TE IEC 60 297-3 module
- Height: 262.05mm Width:70.8mm
- Depth:171.4mm

##### Set DimensionsRadio-Power Source-Battery:

- 19" 3U IEC 60 297-3 Rack box
- Height: 13.48cm Width:48.4cm Depth:42.5cm

\* If you use a serial port only 2 TTL port will be available

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