



IDRe TETRAPOL Independent Digital Repeater evolution

This latest generation of the IDR with upgraded performances can operate and interconnect two sets of communication at

the same time and under the same radio coverage, and complete a TETRAPOL network for

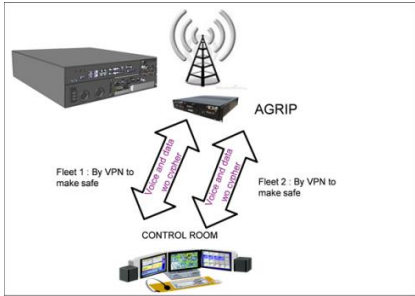
any tactical mission anywhere.

AIRBUS

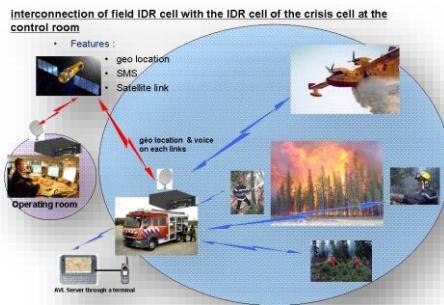
IDRe – TETRAPOL Independent Digital Repeater evolution

User Benefits

- Two-carrier capability, making it possible to operate two sets of communication at the same time and under the same radio coverage



- Outdoor configuration: integrated into a small container, easy to carry in the field, the Independent Digital Repeater – IDRe Outdoor is the solution adapted to any projected tactical mission
- Possibility to interconnect with an operating room (Voice and Data)



- Idle mode to reduce power consumption
- Easy to use and operational in less than a minute; it allows you to establish a high-quality secure group communication over a wide area
- Ideal radio cell solution to backup a TETRAPOL network (connected with radio AG)

Features

- Power supply 100 – 240 V AC or 48V DC , 12-24 V DC or 48V DC variants (exchangeable module)
- Available with all types of TETRAPOL terminals
- Implementation of a TETRAPOL independent radio coverage (2 W/6 W/10 W/15 W)
- Open channel in half-duplex mode
- Dedicated channels to IDR mode
- Voice communications independent from TETRAPOL network communications
- TETRAPOL end-to-end encryption of the independent communication of the IDR
- The hardware's internal alarm status is indicated by a dry contact

Technical Specifications (preliminary)

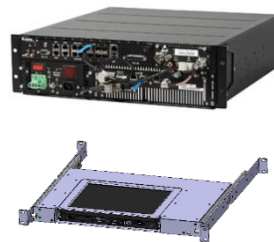
IDRe outdoor

- Two 15 W carriers
- Container with two wheels, four handles and Shock protections for easier transportation
- IP 54 (operational mode)
- IP 65 (transport)
- Size: 624 (W) x 336 (H) x 760 (D) mm
- Weight: 36kg
- Temperature: -10°C / +45°C in operation with two carriers and full power
- AC or -48 V DC inputs, 12-24 V DC (optional)
- 330 W power consumption for two 15 W carriers
- 100 W in idle mode (to be consolidated) to increase the autonomy in case the external back-up battery is used
- Delivery with power supply cables and Antenna
- Bandwidth : LU08 & NB02



IDRe indoor

- Two 15 W carriers
- Size: 19" (W) x 3U (H) x 480 mm (D)
- Weight: 25kg
- Temperature: 0°C / +50°C in operation with two carriers and full power
- AC or -48 V DC inputs
- 330 W power consumption for two 15 W carriers
- 100 W in idle mode (to be consolidated) to increase the autonomy in case the external back-up battery is used
- Delivery with power supply cables and Antenna
- Bandwidth : LU08 & NB02



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