omni**RURAL**
Outside Plant

The OmniRural™ Outside Plant (OSP) is a highly-compact enclosure solution specifically designed for use in harsh outdoor environments.

Overview

OmniRural™ OSP provides a safe shelter for all Intracom Telecom access and backhaul products (OmniMAX™, WiBAS™, OmniBAS™, INTRALINK™, iBAS™, FASTmux™) and is intended for installation on poles or wall surfaces.

With a 5 RU net equipment capacity, OmniRural™ OSP has provision for vertical positioning of all accommodated telecom shelves to maximize thermal performance. A variety of available sensors – for the detection of door open / smoke / fire / exceeded temperature – allows realizing any possible application and deployment scenario.

Furthermore, Intracom Telecom offers several options regarding the cooling of equipment: from passive (with solar shield) to active with heat exchanger or an air conditioning system.

The monitoring and supervision of OmniRural™ OSP is made possible by using the uni|MS™ Unified Management Suite and its advanced user-friendly GUI.
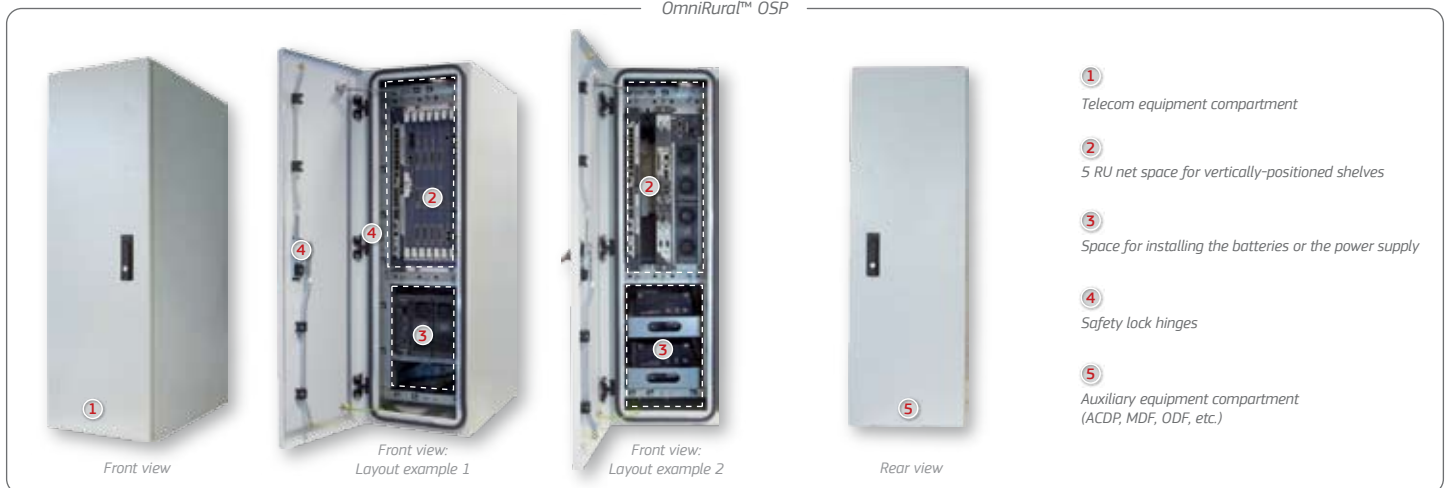
A Solid Design

OmniRural™ OSP features dual-side interior access with three-point secure lock and hidden hinges on each door for maximum security.

For dual-side racking installations, the typical chassis depth can be 245 mm for the main shelves and additional 180 mm for the auxiliary equipment (inclusive of AC Distribution Panel – ACDP, Main Distribution Frame – MDF, Optical Distribution Frame – ODF, etc.). Alternatively, for single-side racking, the depth of main equipment chassis can be up to 424 mm.

An additional space accommodates two sliding shelves to install standby batteries with typical capacity of 26 Ah (1,250 Wh). In cases where batteries are not mandated, this additional space can be adapted to fit other equipment, according to customer's specific needs.

OmniRural™ OSP

Front view

*Front view:
Layout example 1*

*Front view:
Layout example 2*

Rear view

① Telecom equipment compartment

② 5 RU net space for vertically-positioned shelves

③ Space for installing the batteries or the power supply

④ Safety lock hinges

⑤ Auxiliary equipment compartment (ACDP, MDF, ODF, etc.)

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Technical Specifications

General

- Cabinet Mounting:
  - On poles or wall surfaces
- Equipment Capacity:
  - 5 RU (19" or 21") – chassis depth up to 424 mm (single-side racking)
- Cooling Options:
  - Passive, with natural convection and solar shield (up to 10 W/K)
  - Active, with heat exchanger (up to 60 W/K)
  - Active, with air conditioning system (up to 2,000 BTU/h)
  (Thermal load depletion is supported by internal fans)
- Heating Capacity:
  - 300 W (optional)
- Access to Interior:
  - Two side doors – each door features a three-point safety lock and hidden hinges
- Accessories:
  - Pole mounting kit
  - Cable gland plates (customized)
  - DC cable kit
  - AC cable kit
- Alarms:
  - Door open
  - Detection of smoke or fire
  - Exceeded temperature (high, low)
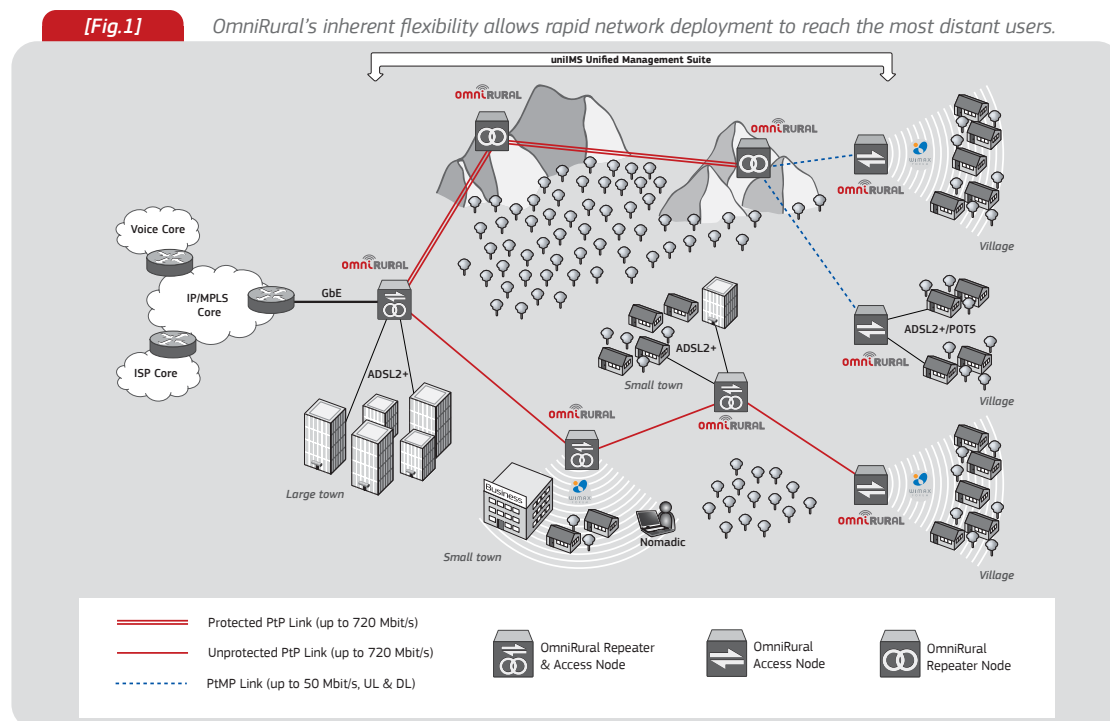
- Other Features:
  - Electrical distribution panel with surge and residual current protection (optional)
  - Internal grounding studs for protection earth
  - Cable management

Mechanical

- Dimensions (W x H x D):
  - 600 mm x 1,025 mm x 335 mm
- Weight (empty):
  - 27 kg
- Construction Material:
  - Aluminum
- Color:
  - Electrostatic powder painting RAL 7035 (other colors available upon request)

Standards

- Design:
  - EMI / RFI shielding design
  - IP55 environmental grade
- Other:
  - EN 6950-22, EN 60439
  - CE approved design (listing is available)

[Fig.1] *OmniRural's inherent flexibility allows rapid network deployment to reach the most distant users.*

About Intracom Telecom

Intracom Telecom is a global telecommunication systems & solutions vendor operating for over 35 years in the market. Intracom Telecom innovates in the areas of small-cell backhaul, wireless transmission and broadband wireless access and has successfully deployed its industry leading point-to-point and point-to-multipoint packet radio systems worldwide. Moreover, the company offers a competitive portfolio of revenue-generating telco software solutions and a complete range of ICT services, focusing on big data analytics, converged networking and cloud computing for operators and private, public and government clouds. The company invests significantly in R&D developing cutting-edge products and integrated solutions that ensure customer satisfaction. Over 100 customers in more than 70 countries choose Intracom Telecom for its state-of-the-art technology. The company employs more than 1,800 people and operates subsidiaries in Europe, Russia and the CIS, the Middle East and Africa, Asia and North America.