

PLANET Data Communication Server (MS25212 Form Factor) Technical Specifications



Functional Description

The PLANET Data Communication Server is a light equipment that enables mobile communication on the ground and in the air, using terrestrial and satellite networks.

The PLANET Data Communication Server is compatible to Inmarsat and Iridium satellite networks, as well as terrestrial cellular networks (LTE). It offers a local interface (Ethernet), an extensive storage capacity (SD Card), and includes a GPS receiver for timing and location.

Embedded PLANET application, available through an additional user tablet or PC terminal, provides added value functions such as tracking, messaging and weather data exchange.

Interfaces and connectors

- 28VDC Power Supply: ASNE0053R12B3PNE
- Ethernet (10/100) : 1RJ45 port
- GPS : TNC Female
- IRIDIUM: TNC Female
- LTE: SMA Female
- Front panel LTE Sim Card slot
- 1 USB 2.0

Power Requirements

- Power Supply: 28VDC
- Consumption: 15W

Features

- Fanless Processor Board (PC104) : Intel ATOM
- Linux OS
- Memory : 1GB + 64GB
- Iridium Module : 9523
- GPS/LTE module : Sierra Wireless MC7304
- Operating Temperature : 0 to +70°C

Mechanical Characteristics

- DZUS Aluminium Case
Enclosure: 160 x 145 x 145 mm
- Weight: 2.2 kg
- Mounting: ¼ Turn Studs

Order Information

ATMOSPHERE Sarl (France),
14 Avenue de l'Europe,
31520 Ramonville
Tel: +33 (0) 5 67 73 38 63

ATMOSPHERE GmbH (Germany),
Argelsrieder Feld 22,
82234 Wessling
Tel: +49 (0) 8153 88678-255

Mail: contact@atmosphere.aero
www.atmosphere.aero