

CPN Enclosure M2M Thuraya IP+ Battery Backup



The **CPN Enclosure M2M Thuraya IP+ Battery Backup** integrates all necessary passive components to feed an internal mounted Thuraya IP+ M2M satellite terminal with the required power, to provide a reliable IP connectivity over the Thuraya satellite network. A Moxa Serial Device Server (RTU) is the interface between the sensors (serial Interface) and the satellite terminal. The **Thuraya IP+** installed inside the CPN Enclosure is double protected against harsh weather conditions and not visible as a satellite terminal.

The system also includes in addition an industrial power supply and a powerful Battery Backup to protect the system against external power failures. The transmission of the data will be ensured for a limited time, even when the external power source is interrupted at the unmanned site.

The CPN Enclosure M2M Thuraya IP+ Battery Backup is a **ready to install solution** to connect the satellite terminal with the sensors or data loggers directly to the serial port of the RTU for SCADA and machine-to-machine (**M2M**) and **IoT** applications such as:

- Mining, Oil and gas
- pipeline monitoring/control
- well site automation and surveillance
- environmental monitoring
- SmartGrid

The CPN Enclosure M2M Thuraya IP+ Battery Backup is a cost-effective, always-on, real-time, high-speed M2M terminal which contains:

- Double circuit Breaker
- Phoenix 120 / 240V AC/DC industrial power supply (QUINT-PS/1AC/24DC/ 5/CO)
- Puls uninterruptible power supply (UPS) (UBC10.241-N1)
- MOXA serial device server (RTU) (N Port 5230-T)
- Pole mounting kit to line up the Enclosure to the satellite
- IP 67 protected for installations in harsh environments
- Easy to install

TÜV/CB report optional



Specifications

Weight:	11,5 kg (without satellite terminal)
Dimensions:	40.8 x 43.2 x 16.0 cm 16.06 x 17.00 x 6,29 inches

Environmental conditions

Dust and Water:	IP-67 protection class
Temperature*:	-40°C to +50°C operating -40°F to +122°F operating -20°C to +60°C charging -4°F to +140°F charging

Power

Input Voltage:	120/230 V AC
Input Current:	2.0/1.23A

Interfaces

RTU:	1 x 10/100 Mbps RJ-45 1 x RS-232, 1 x RS-422/485
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*please refer to the datasheet of the Thuraya IP+

About CPN Satellite Service GmbH

Your qualified partner for satellite based solutions

CPN Satellite Service GmbH is specialized in innovative solutions for mobile satellite communication since 1989. We stand out due to our comprehensive and service oriented offer of services. Our clientele are well known national and international companies, first aid organizations and media companies.

We are one of the pioneers in the market. Our company philosophy is focused on the individual demands of our customers. We offer consultation, realization of projects and trainings as well as first class After Sales Support.

CPN Satellite Services

- Professional applications
- Independent of branch and location
- Customer oriented hard- and software solutions
- Secure communication worldwide
- Phone, Fax, E-Mail, Internet
- Videoconference and streaming
- Consulting service, training and support
- Installation and maintenance

Range of application

- Condition Monitoring
- SCADA (Supervisory Control and Data Acquisition)
- M2M
- Remote Office
- News gathering
- Backup-/Emergency communication
- Fleet management/Tracking



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