

## CPN Enclosure M2M Battery Backup



The **CPN Enclosure M2M Battery Backup** is a non-metallic, ruggedized protection enclosure for the Hughes 9502 M2M BGAN satellite modem. With an Ingress Protection Class of IP-67, it is specifically designed to enable permanent outdoor installations. It shields the satellite modem from accumulation of dust, debris and water, or the effects of harsh temperatures and weather.

The **CPN Enclosure M2M Battery Backup** includes all necessary passive components and will be supplied completely pre assembled.

The **CPN Enclosure M2M with Battery Backup** includes a Hughes 9502 two piece terminal that provides reliable IP connectivity over the Inmarsat Broadband Global Area Network (BGAN) and a Moxa Serial Device Server (RTU).

The system includes an industrial power supply and an 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 with Battery Backup** is a **ready to install solution**. Simply connect the sensors or data loggers directly to the serial port of the RTU for SCADA and machine-to-machine (**M2M**) applications such as:

- pipeline monitoring/control
- well site automation and surveillance
- environmental monitoring
- SmartGrid
- generator monitoring/control

The **CPN Enclosure M2M with Battery Backup** is the most *cost-effective, always-on, real-time, high-speed* M2M terminal with:

- Low power consumption for SCADA & M2M applications
- Including a 120/240V AC/DC 50/60 Hz industrial power supply, Moxa Serial Device Server (RTU) and a backup battery
- Easy to install

Sea water resistant for coastal and off shore installations

TÜV/CB report optional

### Specifications

Weight:	12,90 kg / 28.44 lbs (without satellite terminal)
Dimensions:	40,0 x 40,5 x 16,0 cm 15.75 x 15,94 x 6,29 inches

### Environmental conditions

Dust and Water:	IP-67 protection class
Temperature:	-40C to +60°C operating -40°F to +140°F operating

### Power

Input Voltage:	120/240 V AC 50/60 Hz
Power consumption:	max. 120W

### Interfaces

RTU:	1x RS-232, 1x RS-422/485
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# About CPN Satellite Services GmbH

## Your qualified partner for satellite based solutions

CPN Satellite Services GmbH has been specializing in innovative solutions for mobile satellite communication since 1989. CPN stands out in the industry due to our comprehensive and service oriented offer of services. Our clientele are well known national and international 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

### Customer sectors

- |                      |                                 |
|----------------------|---------------------------------|
| • Automotive         | • Medicine                      |
| • Security           | • Logistics and Transportation  |
| • Finance            | • Plant and engine construction |
| • Tourism            | • Research and Development      |
| • Military           | • Chemistry                     |
| • IT & System houses | • Telecommunication             |
| • Media & Press      |                                 |
| • Aid organizations  |                                 |
| • Energy             |                                 |

### Company history

- 1989 founded as „Peter Nicolai Satcom“
- 1996 changed its name to „**CPN Satellite Services GmbH**“ (managing directors: Christian Nicolai and Thomas Nicolai)
- 1996 becomes official **Thrane & Thrane** (now **Cobham Satcom**) distributor
- 2001 becomes Service provider for satellite systems **Iridium** and **Thuraya**
- 2007 becomes “certified partner” for **Thrane & Thrane** (now **Cobham Satcom**)
- 2010 becomes **Inmarsat** „Bronze Service Provider“
- 2010 becomes **Hughes** partner
- 2011 introduces professional VSAT solutions via Teleport in Germany

