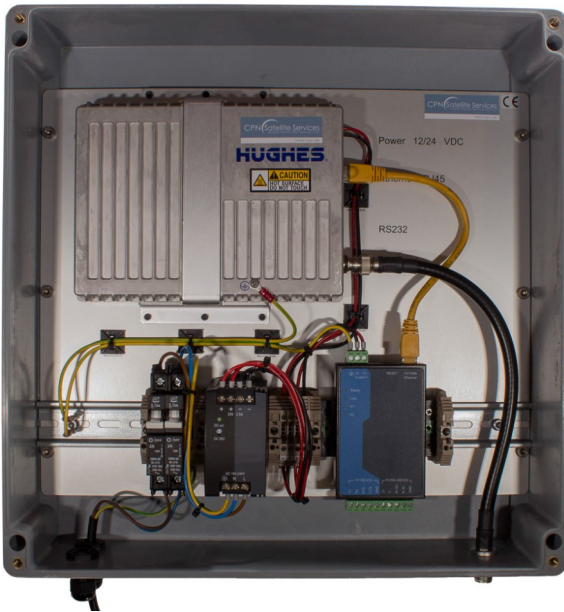


CPN Enclosure M2M Standard



The **CPN Enclosure M2M Standard** 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 installation. It shields the satellite modem from accumulation of dust, debris and water, or the effects of harsh temperatures and weather.

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

The **CPN Enclosure M2M Standard** 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 **CPN Enclosure M2M Standard** 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 Standard** 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 and Moxa Serial Device Server (RTU)
- Easy to install

Sea water resistant for coastal and off shore installations

TÜV/CB report optional

Specifications

Weight:	8,78 kg / 19.36 lbs (without satellite terminal)
Dimensions:	40,0 x 40,5 x 12,0 cm 15.75 x 15.94 x 4.72 inches

Environmental conditions

Dust and Water:	IP-67 protection class
Temperature:	-40C to +65°C operating -40°F to +149°F operating

Power

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

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

