



# Paradigm

Clear Sighted Solutions

inmarsat

**APPROVED**  
GLOBAL XPRESS®  
MANUFACTURER

## Connect100 Terminal

### 98cm Ka-Band Inmarsat Global Xpress Terminal

The Connect100 terminal is a medium-sized fixed Global Xpress Certified Solution. Combining both optimal performance and functionality, the Connect100 provides access to the most advanced IP satellite services. The terminal is designed to provide the best possible performance on the Global Xpress network and meets the GX sweet spot for price and performance.



#### Standard Terminal includes:

- **98cm Antenna with feed**
- **EI/Az Antenna Mount**
- **5W Transceiver / BUC & LNB**
- **RF Cable (30m)**
- **Indoor PIM**
- **Installation Guide, Operators Manual and Tool Kit with Compass**

#### Terminal Overview

Designed for extended usage in demanding environments, the Connect100 offers a variety of features to achieve the required accuracy needed for GX performance, including the One Touch Commissioning function to enable simple RF-chain setup. Paradigm offers the Connect100 as a standard terminal, with relevant accessories. Installation manuals and a quick start guide are also supplied on CD-ROM. For ease of setup, a tool kit with compass is provided.

Supplied with either a Kingpost, Wall Mount, Non-Penetrating Roof Mount, Tripod or Paradigm ISO Container Mount, the antenna system can be deployed/installed in any location.

Terminal M&C and modem operations are performed by the Indoor Paradigm Interface Module (PIM), which can optionally be supplied as a Rack Mount unit. For scenarios where the modem is required to operate outside, Paradigm offers an Outdoor PIM option.

To increase flexibility and adaptability, Paradigm offers alternative interface options to the standard 10/100BaseT, including fibre and wireless solutions. Cable options to suit specific installation environments can also be offered.

#### Inmarsat Partner for Global Xpress Terminal Manufacturing and Integration

Paradigm is an approved **Inmarsat Global Xpress Terminal Manufacturer**, providing fixed and transportable land terminals in a range of antenna apertures up to 1.8m for commercial and government markets. Paradigm is also an approved **Inmarsat Global Xpress Terminal Integrator**, delivering complex value-added services to meet customers' demands for global coverage, seamless mobility and affordable high-speed broadband connectivity.



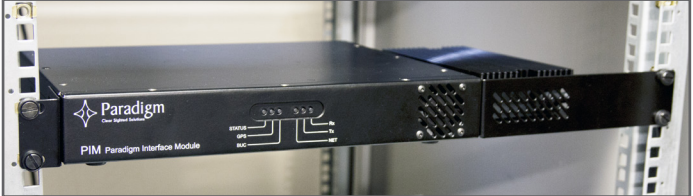
| Reflector           |   |
|---------------------|---|
| Reflector           | 98cm One Piece, Steel                                     |
| Optics              | One Piece Offset Feed Prime Focus                         |
| Feed                | Custom Circular   |
| Mast Pipe Interface | 60mm (2.38") Diameter (Std.)<br>51mm (2") Diameter (Opt.) |
| Mount Geometry      | Elevation over Azimuth                                    |

| Mechanical           |                                 |
|----------------------|---------------------------------|
| Azimuth Adjustment   |                                 |
| Fine                 | 360° Continuous; ±3° Adjustment |
| Elevation Adjustment |                                 |
| Fine                 | 5° to 90° Continuous            |
| Polarisation         | RHCP/LHCP, Manual Change        |
| Packaged Weight      | 22kgs approx.                   |

| Performance                  |                                      |
|------------------------------|--------------------------------------|
| Frequency Range (GHz)        | GX Compliant                         |
| Polarisation                 | Circular, RH or LH                   |
| Data Capabilities            | Up to 5Mbps Uplink / 50Mbps Downlink |
| External Power               | 100-230V (50-60Hz)                   |
| Ingress Protection           |                                      |
| PIM IDU                      | IP52                                 |
| TXVR (BUC/LNB)               | IP65                                 |
| Radiation Pattern Compliance | GX Certified                         |

| Environmental                 |                        |
|-------------------------------|------------------------|
| Wind                          |                        |
| Operational                   | 40mph (65km/h)         |
| Survival                      | 80mph (128km/h)        |
| Ambient Operating Temperature |                        |
| Antenna                       | -50°C to +80°C         |
| Indoor PIM                    | 0°C to +45°C           |
| Outdoor PIM                   | -25°C to +55°C         |
| Operating Humidity            |                        |
| Indoor PIM                    | 40 to 90% (Condensing) |
| Outdoor PIM                   | 0 to 95% (Condensing)  |

| Ordering Information  |
|---|
| Connect100 Terminal   |
| Options   |
| Indoor Rack Mount PIM   |
| Outdoor PIM with POE and DC Power options                               |
| Mounting Options  |
| NPRM  |
| Kingpost  |
| High Wind Mount   |
| Quick Deploy Mount  |
| Rugged Deploy Mount   |
| Wall Mount  |
| Paradigm ISO Container Corner Mount                                     |
| Custom Mounts available on request                                      |
| Customised & Compatible Fibre & Wireless Solutions available on request |
| Custom Cable Lengths and Types available on request                     |
| Cooling and De-Icing Systems available on request                       |
| Installation Tool Kit   |



(Our policy is one of continuous improvement: therefore the right is reserved to change specification without notice)