



# 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.



#### 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.

#### 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**

#### Inmarsat Global Xpress Launch Terminal and Integration Partner

Paradigm is an approved Inmarsat Global Xpress Land Terminal Launch Partner, 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 products to meet customers' demands for global coverage, seamless mobility and affordable 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.) 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)