



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 Calibration 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.

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.



Paradigm

Clear Sighted Solutions

CONNECT100

Reflector

Reflector	98cm One Piece, Steel
EIRP	53.8 dBW @ 30.0GHz
G/T	20.7 dB/k @ 20.2GHz, 30°EI, clear skies
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

Performance

Frequency Range (GHz)	GX Compliant
Polarisation	Circular, RH or LH
External Power	100-230V (50-60Hz)
Power Consumption	< 100W
Ingress Protection	
Indoor PIM	IP52
TXVR (BUC/LNB)	IP65
Radiation Pattern Compliance	GX Certified

Ordering Information

CONNECT100 Terminal

Options

Indoor Rack Mount PIM

Outdoor PIM

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

Mechanical

Azimuth Adjustment

Fine 360° Continuous; $\pm 3^\circ$ Adjustment

Elevation Adjustment

Fine 5° to 90° Continuous

Polarisation

RHCP/LHCP, Manual Change

Packaged Weight

22kgs approx.

Environmental

Wind

Operational 40mph (65km/h)

Survival 80mph (128km/h)

Ambient Operating Temperature

Antenna -40°C to +60°C

Indoor PIM 0°C to +45°C

Operating Humidity

Indoor PIM 40 to 90% (Condensing)



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.

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

PIM is a trade mark of Paradigm Communication Systems Ltd.

TOLL FREE 1-888-989-8199

1455 N. Dutton Suite A, Santa Rosa, CA 95401
FAX 707-546-8198 • info@remotesatellite.com
www.remotesatellite.com