



Paradigm

Clear Sighted Solutions



Connect70 Terminal

69cm Ka-Band Inmarsat Global Xpress Terminal

The Connect70 is the smallest fixed Global Xpress Certified Solution. Combining both optimal performance and functionality, the Connect70 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 is suitable for discreet installation and where space is limited.



Terminal Overview

Designed for extended usage in demanding environments, the Connect70 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 Connect70 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:

- **69cm 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	69cm 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

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

Ordering Information

Connect70 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

Mechanical

Azimuth Adjustment	
Fine	360° Continuous; ±5° Adjustment
Elevation Adjustment	
Fine	8° to 90° Continuous
Polarisation	RHCP/LHCP, Manual Change
Packaged Weight	12kgs approx.

Environmental

Wind	
Operational	50mph (80km/h)
Survival	125mph (200km/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)



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