

Connect180 Terminal

1.8m Ka-Band Inmarsat Global Xpress Terminal

The Connect180 terminal is the largest of the 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.



Standard Terminal includes:

- **1.8m Antenna with feed**
- **EI/Az Antenna Mount**
- **5W Transceiver / BUC & LNB**
- **RF Cable (30m)**
- **Indoor PIM (Outdoor PIM available)**
- **Installation Guide, Operators Manual and Pointing Device**

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 from 60cm to 1.8m to 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.

Terminal Overview

Designed to offer the highest terminal efficiency factor in demanding environments, the Connect180 offers a variety of features to achieve the required accuracy needed for GX performance. Paradigm offers the Connect180 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 pointing device is provided.

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

The Indoor PIM 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.



Reflector	
Reflector	1.8m Glass Fibre Reinforced Polyester SMX
Optics	One Piece Offset Feed Prime Focus
Feed	Custom Circular (OMT Optional)
Mast Pipe Interface	12.7cm (5.0") SCH 40 Pipe 14.1cm (5.56") OD
Mount Geometry	Elevation over Azimuth

Mechanical	
Azimuth Adjustment	
Fine	360° Continuous; ±10° Adjustment
Elevation Adjustment	
Fine	5° to 90° Continuous
Polarisation	RHCP/LHCP, Manual Change
Packaged Weight	100kgs 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	50mph (80km/h)
Survival	125mph (200km/h)
Ambient Operating Temperature	
Antenna	-40°C to +70°C
Indoor PIM	0°C to +50°C
Outdoor PIM	-25°C to +55°C
Operating Humidity	
Indoor PIM	40 to 90% (Condensing)
Outdoor PIM	0 to 95% (Condensing)

Ordering Information
Connect180 Terminal
Options
Indoor Rack Mount
Outdoor PIM with optional POE and/or DC Power Output
NPRM
Kingpost
High Wind Mount
Quick Deploy Mount
Rugged Deploy Mount
Anchor Bolt Kits
Paradigm ISO Container 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)