

# Connect 180

## 1.8m Ka-Band Global Xpress Terminal

The Connect180 terminal is the largest of the fixed Global Xpress Certified Solution.



### KEY FEATURES

- 1.8m Antenna with feed
- El/Az Antenna Mount
- 5W Transceiver / BUC & LNB
- RF Cable (30m)
- Indoor PIM (Outdoor PIM available)
- Installation Guide, Operators Manual and Tool Kit with Compass

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Mission Critical Communications

# Connect 180

## 1.8m Ka-Band Global Xpress Terminal



### OVERVIEW

Designed for demanding environments, the Connect180 offers a variety of features to achieve the required accuracy needed for the best possible GX performance, including the One Touch Commissioning function to enable simple RF-chain setup. The Connect180 is offered as a standard terminal, with relevant accessories. Installation manuals and a quick start guide are also supplied on CDROM. For ease of setup, a tool kit with compass is provided.

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

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

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

### TECHNICAL SPECIFICATION

Reflector	
Size	1.8m Glass Fibre Reinforced Polyester SMX
Optics	One piece offset feed prime focus
Feed	Custom Circular
Mast Pipe Interface	12.7cm (5") SCH 40 pipe 14.1cm (5.56") OD
Mount Geometry	Elevation over Azimuth
Performance	
Frequency Range	Global Xpress Compliant (GHz)
Polarisation	Circular, RH or LH
Data Capabilities	Up to 5Mbps Uplink / 50 Mbps Downlink
External Power	100 -230v (50 - 60 Hz)
Ingress Protection	PIM IDU - IP62 TXVR (BUC/LNB) - IP65
Radiation Pattern Compliance	GX Certified
Mechanical	
Adjustments	Azimuth: Fine - 360° Continuous - ±10° adjustment Elevation: 5° to 90° Continuous
Polarisation	RHCP / LHCP, Manual change
Packaged Weight	100Kgs approx
Environmental	
Wind	Operational: 50mph (80 km/h) Survival: 125mph (200 km/h)
Ambient Operating Temperature	Antenna -40° to ±70°C Indoor PIM: -25° to +45°C Outdoor PIM -25° to +55°C
Operating Humidity	Indoor PIM: 40 to 90% (condensing) Outdoor PIM: 0 to 95% (condensing)



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