

# Global Xpress Terminals



Inmarsat's Global Xpress service can be accessed through small, transportable, VSAT terminals, which are quick to set up and easy to use



A range of terminals is available for Global Xpress land services, providing performance options to suit the specific needs of different operators. All Global Xpress terminals use the iDirect Velocity modem, which can be accessed through a web-based interface.

## Fly-Away and Transportable Terminals



Skyware Atom65 GX  
Manual Point



Skyware Atom65 AA GX  
Auto Acquire



Skyware Atom99 GX  
Manual Point



Cobham Explorer 3075GX  
Manual Point



Cobham Explorer 5075GX  
Auto Acquire



Paradigm Connect100T  
Manual Point



DataPath QCT-90GX  
Manual Point



L3 Cheetah II  
Auto Acquire

	Receive		Transmit		Receive		Transmit		Receive		Transmit		Receive		Transmit		Receive		Transmit	
Aperture	0.65m		0.65m		0.99m		0.75m		0.75m		0.98m		0.90m x 0.59m (elliptical)		0.85m					
Max CIR Plan	4.096 Mbps	2.048 Mbps	4.096 Mbps	2.048 Mbps	8.192 Mbps	4.096 Mbps	4.096 Mbps	2.048 Mbps	4.096 Mbps	2.048 Mbps	8.192 Mbps	4.096 Mbps	4.096 Mbps	2.048 Mbps	4.096 Mbps	2.048 Mbps	4.096 Mbps	2.048 Mbps	4.096 Mbps	2.048 Mbps
G/T	17.0 dB/K @30-degrees (20.2 GHz)		17.0 dB/K @30-degrees (20.2 GHz)		21.0 dB/K @30-degrees (20.2 GHz)		17.3 dB/K @30-degrees (mid-band)		17.3 dB/K @30-degrees (mid-band)		20.9 dB/K @30-degrees (mid-band)		17.5 dB/K @20-degrees (mid-band)		19.2 dB/K @20-degrees (mid-band)					
EIRP	50.5 dBW at 30 GHz		50.5 dBW at 30 GHz		54.2 dBW at 30 GHz		51.5 dBW at mid-band		51.5 dBW at mid-band		54.2 dBW at 30 GHz		52.0 dBW at mid-band		52.6 dBW at mid-band					
BUC size	5 watts		5 watts		5 watts		5 watts		5 watts		5 watts		5 watts		5 watts					

### Power

AC	90 - 264 VAC, 47 - 63 Hz	90 - 264 VAC, 47 - 63 Hz	90 - 264 VAC, 47 - 63 Hz	90 - 260 VAC	90 - 260 VAC	90 - 264 VAC, 47 - 63 Hz	90 - 264 VAC, 45 - 66 Hz	90 - 260 VAC, 47 - 440 Hz
DC	18 - 36V	18 - 36V	18 - 36V			18 - 36V	11 - 36V	18 - 36VDC Input
Consumption (Max)	< 250W	< 250W	< 250W	< 150W	< 150W	< 250W	< 250W	< 210 VA

### Physical

Interface Ports	3 Data Ports and 1 MnC Port	3 Data Ports and 1 MnC Port 1 Console Port (RS-232 Serial) 1 Modem Management Port	3 Data Ports and 1 MnC Port 1 Console Port (RS-232 Serial) 1 Modem Management Port	3 Data Ports and 1 MnC Port WLAN (WiFi) access point	3 Data Ports and 1 MnC Port WLAN (WiFi) access point	3 Data Ports and 1 MnC Port 1 Console Port (RS-232 Serial) 1 Modem Management Port	3 Data Ports and 1 MnC Port 1 Console Port (RS-232 Serial) 1 Modem Management Port	2 Data Ports and 1 MnC Port
Standard Case Dimensions (IATA Check-in)*	x2 Carrying Cases (identical) 29.5"L x 17.7"W x 15.0"H (75.0cm x 45.0cm x 38.0cm)	x2 Carrying Cases (identical) 29.5"L x 17.7"W x 15.0"H (75.0cm x 45.0cm x 38.0cm)	x2 Carrying Cases (identical) 29.5"L x 17.7"W x 15.0"H (75.0cm x 45.0cm x 38.0cm)	x2 Carrying Cases #1: 24.6"L x 19.7"W x 11.7"H #2: 31.3"L x 20.4"W x 12.2"H	x2 Carrying Cases (identical) 24.9"L x 23.7"W x 13.1"H (63.2cm x 60.2cm x 33.3cm)	x3 Carrying Cases* #1: 43.7"L x 41.7"W x 9.1"H* #2: 26.0"L x 22.4"W x 20.5"H #3 37.8"L x 16.9"W x 20.9"H	x1 Hard Transit Cases 29.9"L x 14.1"W x 10.6"H (76.0cm x 36.0cm x 27.0cm)	x2 Carrying Cases (identical) 24.6"L x 19.7"W x 14.4"H (62.5cm x 50.0cm x 36.6cm)
Standard Case Weight**	Each Case <70 lbs. (31.8kg)	Each Case <70 lbs. (31.8kg)	Each Case <75 lbs. (34kg)	#1 50.7 lbs. (23kg) #2 50.7 lbs. (23kg)	#1 66.1 lbs. (30kg) #2 45 lbs. (20.4kg)	#1 62 lbs. (28kg) #2 65 lbs. (29.5kg) #3 66 lbs. (30kg)	x1 Hard Cases 70 lbs. (32kg) <b>or</b> x1 Soft pack 54.5 lbs. (24.5kg)	Each Case <70 lbs. (31.8kg)

### Environmental

Wind (Operational)	Anchored, 30mph (48kmh) Survival, 80mph (128kmh)	Anchored, 30mph (48kmh) Survival, 80mph (128kmh)	Anchored, 30mph (48kmh) Survival, 80mph (128kmh)	Gusts up to 30mph (48kmh) Anchored, 45mph (72kmh)	Gusts up to 30mph (48kmh) Anchored, 45mph (72kmh)	Anchored, 30mph (48kmh) Survival, 80mph (128kmh)	Gusts up to 22mph (36kmh) Anchored, 45mph (72kmh)	Gusts up to 20mph (36kmh) Anchored, 40mph (64.4kmh)
Temperature Operational Survival	-25° to +55° C (-13° to 131° F) -40° to +80° C (-40° to +176° F)	-25° to +55° C (-13° to 131° F) -40° to +80° C (-40° to +176° F)	-25° to +55° C (-13° to 131° F) -40° to +80° C (-40° to +176° F)	-25° to +55° C (-13° to 131° F) -40° to +80° C (-40° to +176° F)	-25° to +55° C (-13° to 131° F) -40° to +80° C (-40° to +176° F)	-25° to +55° C (-13° to 131° F) -40° to +80° C (-40° to +176° F)	-32° to +55° C (-26° to 131° F) -40° to +71° C (-40° to +159° F)	-25° to +55° C (-13° to 131° F) -40° to +80° C (-40° to +176° F)
Rain	Survival <100 mm/hr	Survival <100 mm/hr	Survival <100 mm/hr	Operational <100 mm/hr	Operational <100 mm/hr	<100 mm/hr	Operational <100 mm/hr	Survival <140 mm/hr

\*With the exception of the Paradigm Connect 100T transportable terminal, all flyaway and transportable terminal transit cases meet the typical IATA standards for size and dimensions.

\*\*All flyaway and transportable terminals can be labeled as "Heavy Luggage" according to IATA standards, although this weight classification may vary per airline.

# Fixed and Drive-Away Terminals



Skyware GX Sky98  
Fixed



Skyware GX Sky180  
Fixed



Paradigm Connect70  
Fixed



Paradigm Connect100  
Fixed



Paradigm Connect180  
Fixed



Cobham Explorer 7100GX  
Drive Away

	Receive		Transmit		Receive		Transmit		Receive		Transmit		Receive		Transmit	
Aperture	0.98m		0.98m		1.80m		1.80m		0.69m		0.69m		0.98m		0.98m	
Max CIR Plan	8.192 Mbps	4.096 Mbps	8.192 Mbps	4.096 Mbps	8.192 Mbps	4.096 Mbps	4.096 Mbps	2.048 Mbps	8.192 Mbps	4.096 Mbps	8.192 Mbps	4.096 Mbps	8.192 Mbps	4.096 Mbps	8.192 Mbps	4.096 Mbps
G/T	20.9 dB/K @30-degrees (mid-band)		20.9 dB/K @30-degrees (mid-band)		26.1 dB/K @30-degrees (mid-band)		26.1 dB/K @30-degrees (mid-band)		16.6 dB/K @30-degrees (mid-band)		16.6 dB/K @30-degrees (mid-band)		20.9 dB/K @30-degrees (mid-band)		26.1 dB/K @30-degrees (mid-band)	
EIRP	54.2 dBW at mid-band		54.2 dBW at mid-band		59.8 dBW at mid-band		59.8 dBW at mid-band		51.8 dBW at mid-band		51.8 dBW at mid-band		54.2 dBW at mid-band		59.8 dBW at mid-band	
BUC size	5 watts		5 watts		5 watts		5 watts		5 watts		5 watts		5 watts		5 watts	

## Power

AC	90 - 264 VAC, 47 - 63 Hz	90 - 264 VAC, 47 - 63 Hz	100 - 230 VAC (50 - 60Hz)	100 - 230 VAC (50 - 60Hz)	100 - 230 VAC (50 - 60Hz)	110/240 VAC SP (50/60Hz)
DC	24V	24V	-	-	-	-
Consumption (Max)	< 250W	< 250W	< 250W	< 250W	< 250W	< 250W (Motor Active)

## Physical

Interface Ports	3 Data Ports and 1 MnC Port 1 Console Port (RS-232 Serial) 1 Modem Management Port	3 Data Ports and 1 MnC Port 1 Console Port (RS-232 Serial) 1 Modem Management Port	3 Data Ports and 1 MnC Port 1 Console Port (RS-232 Serial) 1 Modem Management Port	3 Data Ports and 1 MnC Port 1 Console Port (RS-232 Serial) 1 Modem Management Port	3 Data Ports and 1 MnC Port 1 Console Port (RS-232 Serial) 1 Modem Management Port	1 Data Port 1 Console
Footprint/ Mast-Pipe Size	<b>Mast-Pipe:</b> 2.38" Diameter (60mm)	<b>Mast-Pipe:</b> 5.56" Diameter (14.1cm)	<b>Mast-Pipe:</b> 2.38" Diameter (60mm) <i>or</i> 2.00" Diameter (51mm)	<b>Mast-Pipe:</b> 2.38" Diameter (60mm) <i>or</i> 2.00" Diameter (51mm)	<b>Mast-Pipe:</b> 5.00" Diameter (12.7cm) <i>or</i> 5.56" Diameter (14.1cm)	<b>Vehicle Roof Mount:</b> Length: 62" (157.4cm) Height Deployed: 63" (160.1cm) Height Stowed: 15" (38.1cm)
Packaged Weight	Antenna: 34.2 lbs. (15.5kg) Modem: 10.0 lbs. (4.6kg)	Antenna: 244.7 lbs. (111kg) Modem: 10.1 lbs. (4.6kg)	26.5 lbs. (12kg)	48.5 lbs. (22kg)	220.5 lbs. (100kg)	100 lbs. (45kg) w/out BUC/LNB ACU: 4.5 lbs. (2kg) HDU: 0.5 lbs. (0.22kg)

## Environmental

Wind (Operational)	Anchored, 45mph (72.4kmh) Survival, 80mph (128kmh)	Anchored, 45mph (72.4kmh) Survival, 80mph (128kmh)	Gusts up to 50mph (80kmh) Survival, 77mph (125kmh)	Gusts up to 40mph (65kmh) Survival, 80mph (128kmh)	Gusts up to 50mph (80kmh) Survival, 125mph (200kmh)	Gusts up to 45mph (72kmh) Survival, 80mph (128kmh)
Temperature Operational Survival	-25° to +55° C (-13° to 131° F) -40° to +80° C (-40° to +176° F)	-25° to +55° C (-13° to 131° F) -40° to +80° C (-40° to +176° F)	-50° to +80° C (-58° to +176° F)	-50° to +80° C (-58° to +176° F)	-40° to +70° C (-40° to +158° F)	-30° to +51° C (-22° to 125° F) -40° to +60° C (-40° to +140° F)
Rain	Survival <100 mm/hr	Survival <100 mm/hr	Operational <100 mm/hr	Operational <100 mm/hr	Operational <100 mm/hr	Operational <100 mm/hr

# How to buy GX

Global Xpress can be purchased through Inmarsat's distribution partners or value-added retailers, such as COMSAT. Contact COMSAT to learn more about the GX terminal and service subscription that is right for your needs.

[www.comsat.com/globalxpress](http://www.comsat.com/globalxpress)

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sales@comsat.com | [www.comsat.com](http://www.comsat.com)

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