Global Xpress (GX) is the world’s first and only globally available, high-speed broadband network, owned and managed by a single operator.

The G2X Land satcom as a service model provides government land customers with seamless, worldwide, multi-Mbps services whether on the move, on the pause or in a fixed location. Just like our long trusted BGAN service, G2X Land is easy to use, with centralised, portal based configuration and over the air management ensuring operator training is minimised and operational flexibility is maximised. G2X Land follows you wherever you go, there’s no need to warn your satellite operator in advance.

**BENEFITS**

- This Satellite capability as a service with access on demand
- Service models to suit your operation, with user selected Committed and Maximum Information Rates (CIR/MIR) and contract periods from Occasional Use through to long term subscriptions
- BGAN style ease of operation
- Over The Air terminal configuration - Attach to the network in minutes with no in field configuration or files to upload
- High speed Internet / IP network connectivity and file / data transfer
- Cyber security best practices
- Complemented by our L-band network, with simple integration across BGAN and GX networks for government users on land, in the air and at sea
- Terminals available to provide interoperability with Military Ka-band systems
- A range of terminal manufacturer partners to suit your application, environment and budget
- Remote support through our 24x7 Network Operations Centre
WHY GOVERNMENTS TRUST GX

A SATCOM SERVICE ON DEMAND
DESIGNED FOR MOBILITY

RELIABLE
- Multiple satellites provide in-orbit diversity
- Global Ka-band network with additional satellites in build - all on one subscription
- Global BGAN L-band network provides high resilience via the same PoP
- Inmarsat quality standards, end-to-end
- Cyber security best practices
- Fully secure, diverse and dual-redundant ground network accessible from three regional Meet-Me Points

AFFORDABLE
- A global satcom system for the cost of single terminal subscription
- State of the art terminals to suit a range of use cases and budgets
- Reduced training requirements save costs on user training and support costs
- Flexible pricing models to suit your CONOPS

HIGH PERFORMANCE
- Smaller, state of the art user terminals providing access to Global Xpress, military Ka-band and alternative networks from a single device
- Global access to multi-Mbps services
- Compact flyaway, to large fixed terminals offering the same ease of use and reliability whether manual assist or auto pointing
- Military grade, Mil-Ka capable COTM terminals

FUTURE PROOF NETWORK WITH COMMITTED EXPANSION ROADMAP

NATIONAL, REGIONAL AND GLOBAL COVERAGE, WITH COVERAGE OF THE ARTIC CIRCLE COMING SOON

FULLY MANAGED NETWORK SERVICE WITH EASE OF USE AT THE HEART OF THE DESIGN

A SECURE, REDUNDANT GROUND INFRASTRUCTURE WITH A SINGLE ACCESS POINT
THE VALUE OF GX

COMMUNICATIONS CERTAINTY IN AN UNCERTAIN WORLD

Like with our highly successful BGAN product, the value of GX is the ability to leverage the same technology wherever and whenever you need high speed data services. Whether you operate locally or globally, there’s no longer a need to manage multiple legacy service contracts with different SLAs and a range of VSAT standards.
This next generation of GX satellites will (GX7, GX8 and GX9) provide the first software-defined constellation for global mobile connectivity. Each satellite will deliver twice the total capacity of the entire current GX network, simultaneously generating thousands of independent spot beams to meet user demands across the globe in real time.

Our first non-GEO satellites (GX10A/B) will also cover the North Pole, ensuring continuous coverage above 65° North.

GX6A/B will enhance and assure the future of our BGAN L-band service >15 years as well as providing additional GX payloads.
GLOBAL XPRESS SATELLITE ACCESS STATIONS

Global ground station network in politically stable, trusted NATO/5 EYES countries
SIMPLE AIRTIME OFFER
WITH SHORT AND LONG TERM CONTRACTS AND OCCASIONAL USE.

STANDARD PLANS - 1 TO 36 MONTH TERMS, CIR BACKED BY SLA

<table>
<thead>
<tr>
<th>PLAN NAME</th>
<th>CIR FWD</th>
<th>CIR RTN</th>
<th>MIR FWD</th>
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Tailored individual plans and shared plans for network and fleet solutions available on request

OCCASIONAL USE PLANS

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<th>PLAN NAME</th>
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<th>MIR FWD</th>
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<td>2048</td>
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</tbody>
</table>

90 days usage over 12 months with option to renew or daily overage available

Commercial models can be developed to meet your end user needs in consultation with the Inmarsat Global Government team
THE CHALLENGE

The Military has multiple operations in country and across borders. Their operations include border security, anti-narcotics operations and peacekeeping missions. Commanders rely on increased mobility and fast deployment with immediate access to beyond line of sight communications that are highly secure and resilient. Interoperability across land, sea and air is critical, ensuring remote reconnaissance capabilities for intelligence gathering. Current VSAT services are not delivering fast access, mobility and reliability and other systems are not rugged, transportable or easy to deploy. The service must be guaranteed and at a predictable, affordable price.

THE SOLUTION

G2X Land will provide a Multi-Mbps service under one subscription with always on access to the satellite network. No more guessing as to when and where instant communications will be required for data intensive missions. Fast and easy to deploy terminals at HQ and FOB enables communications across agencies regardless of geography. Allows for seamless intelligence gathering and coordination. Users get what they need, when they want it and wherever they are, at a predictable, budgeted price.
### Cobham EXPLORER 6075
- **Terminals**: CAT1, CAT5
- **Modem Type**: Direct CX751 GX Core Module (Integrated ODU), iDirect CX751 GX Core Module (Integrated ODU)
- **Aperture**: 75cm, 4 piece segmented carbon fiber
- **Block Upconverter (BUC)**: 5W or 10W
- **RF Band**: Commercial Ka (Rx 19.2-20.2GHz, Tx 29-30GHz)
- **Management User Interface**: Integrated external interface; PC web-based interface
- **Equipment Interface**: 3 x 100Base-T Ethernet, WLAN Access Point and LAN interface
- **Packaging**: Dual IATA compliant cases (22.5 kg + 19 kg)
- **System Weight**: 23 kg
- **Environmental (Operational)**: Operational: -33° to +55°C
- **Wind Loading**: Survival: 160 km/h / 100 mph

### L3HARRIS DARKWING
- **Terminals**: CAT1, CAT5
- **Modem Type**: Direct 950mp core module (Integrated ODU)
- **Aperture**: 28.3cm x 42.4cm (equivalent performance to a 30cm parabolic antenna)
- **Block Upconverter (BUC)**: 5W or 10W (950 version)
- **RF Band**: Wideband Ka (Rx 19.7-20.7GHz, Tx 29.5 - 30.5GHz); WGS Approval Pending
- **Management User Interface**: Integrated external interface; PC web-based interface
- **Equipment Interface**: 2 x Gigabit Ethernet; WIFI: 802.11a/b/g/n (20Mbit/sec device to modem throughput)
- **Packaging**: IATA Compliant backpack/transit case (95 x 51x48cm)
- **System Weight**: 11.34 kg (w/o case)
- **Environmental (Operational)**: Operational: -32° to +50°C
- **Wind Loading**: 35 mph gusting to 40 mph (with ballast)

### Paradigm HORNET GX100
- **Terminals**: CAT1(CX751) or CAT5(950mp)
- **Modem Type**: iDirect CX751 or iDirect 950mp GX Core Module (Integrated ODU)
- **Aperture**: 100cm (7 piece carbon fibre)
- **Block Upconverter (BUC)**: 5W or 10W
- **RF Band**: Commercial Ka (Rx 19.2-20.2GHz, Tx 29-30GHz)
- **Management User Interface**: Integrated external interface; PC web-based interface
- **Equipment Interface**: 3 x 100Base-T Ethernet
- **Packaging**: Backpack, Soft Case or Pelicase
- **System Weight**: 45.7kg (in transit case)
- **Environmental (Operational)**: Operational: -32° to +50°C
- **Wind Loading**: 45mph

### Paradigm SWARM
- **Terminals**: CAT1(CX751) or CAT5(950mp)
- **Modem Type**: Direct CX751 or Direct 950mp GX Core Module (Integrated ODU)
- **Aperture**: 45cm flat panel (equivalent performance to a 60cm parabolic)
- **Block Upconverter (BUC)**: 5W or 10W
- **RF Band**: Commercial Ka (Rx 19.2-20.2GHz, Tx 29-30GHz)
- **Management User Interface**: Integrated external interface; PC web-based interface
- **Equipment Interface**: 3 x 100Base-T Ethernet
- **Packaging**: Single IATA compliant case (29.5kg)
- **System Weight**: 53.7kg (in transit case)
- **Environmental (Operational)**: Operational: -32° to +50°C
- **Wind Loading**: 45mph

### Datapath QCT-90GX
- **Terminals**: CAT1 or CAT5
- **Modem Type**: iDirect CX751 GX Core Module; Integrated ODU
- **Aperture**: 90cm x 59cm Gregorian dual offset antenna
- **Block Upconverter (BUC)**: 5W or 10W
- **RF Band**: Commercial Ka (Rx 19.2-20.2GHz, Tx 29-30GHz)
- **Management User Interface**: Integrated external interface; PC web-based interface
- **Equipment Interface**: 3 x 100Base-T Ethernet
- **Packaging**: Single IATA compliant case (15 min run time)
- **System Weight**: 9.9kg (w/o case)
- **Environmental (Operational)**: Operational: -33° to +55°C
- **Wind Loading**: 35 mph gusting to 40 mph (with ballast)

### Datapath CCT-120GX
- **Terminals**: CAT1
- **Modem Type**: iDirect 950mp core module (integrated ODU)
- **Aperture**: 100cm (7 piece carbon fibre)
- **Block Upconverter (BUC)**: 5W or 10W
- **RF Band**: Commercial Ka (Rx 19.2-20.2GHz, Tx 29-30GHz)
- **Management User Interface**: Integrated external interface; PC web-based interface
- **Equipment Interface**: 3 x 100Base-T Ethernet
- **Packaging**: Single IATA compliant case (29.5kg)
- **System Weight**: 45.7kg (in transit case)
- **Environmental (Operational)**: Operational: -33° to +55°C
- **Wind Loading**: 45mph

### L3HARRIS Panther II
- **Terminals**: CAT1 or CAT5
- **Modem Type**: Direct 950mp core module
- **Aperture**: 1.2m x 0.84m Gregorian dual offset antenna
- **Block Upconverter (BUC)**: 5W or 10W
- **RF Band**: Wideband Ka (Rx 19.2-21.2GHz, Tx 29-31GHz); WGS Approval Pending
- **Management User Interface**: Integrated external interface; PC web-based interface
- **Equipment Interface**: 3 x 100Base-T Ethernet
- **Packaging**: Single IATA compliant case (29.5kg)
- **System Weight**: 32kg (in transit case)
- **Environmental (Operational)**: Operational: -33° to +55°C
- **Wind Loading**: 35 mph gusting to 40 mph (with ballast)
## ULV MICRO VSAT
### Terminal Efficiency Group
- Group 1
- Group 2/2 (Type Approval Pending)

### Terminal Category
- CAT1 (CX751) or CAT5 (950mp)
- CAT5

### Modem Type
- iDirect CX751 GX Core Module
- Wideband Ka (Rx 19.7-20.7 and Tx 29.5 - 30.5); WGS, Approval Pending

### Aperture
- Offset Gregorian with Segmented Reflector. Equiv to 65cm circular
- 65cm (TEO1) or 95cm (TEO2), Segmented Carbon Fibre

### Block Upconverter (BUC)
- 5W

### RF Band
- PM-GX LNB/BUC kit: Commercial Ka (Rx 19.2-20.2GHz, Tx 29-30GHz)

### Terminal Pointing
- Assisted Manual Point (Paradigm Interface Module until fully integrated)

### Power Source
- +18 to 36V DC

### Management User Interface
- Integrated external interface (IDU)

### Equipment Interface
- 3 x 100Base-T Ethernet; 950mp: 1x 100Base-T Ethernet

### Packaging
- Single Case (Soft and Hard case options)

### System Weight
- +25lbs (11kgs) excluding carry case (baseline config)

### Environmental (Operational)
- -20° to 55°C

### Wind Loading
- 30mph, gusting to 45mph, with anchors

## Tampa Microwave Manpack
### Terminal Efficiency Group
- Group 1

### Terminal Category
- CAT5

### Modem Type
- iDirect 950mp core module

### Aperture
- 50 x 13.5cm (19.7 x 5.3")

### Block Upconverter (BUC)
- 25W

### RF Band
- PM-GX LNB/BUC kit: Commercial Ka (Rx 19.2-20.2GHz, Tx 29-30GHz)

### Terminal Pointing
- Assisted Manual Point (TM Acquisition Wizard)

### Power Source
- AC BS-265V, DC 12-36V, Battery Options Available

### Management User Interface
- Integrated external interface (IDU)

### Equipment Interface
- 2 x 100Base-T Ethernet

### Packaging
- Single Case (Soft and Hard case options)

### System Weight
- 12.5kg (w/o case)

### Environmental (Operational)
- -20° to 50°C

### Wind Loading
- 35mph (Operational), 60mph (Survival)

## Get SAT Millisat-W GX
### Terminal Efficiency Group
- Group 1

### Terminal Category
- CAT1 (CX751) or CAT5 (non-GX modem)

### Modem Type
- iDirect CX751 GX Core Module

### Aperture
- Offset Gregorian with Segmented Reflector. Equiv to 65cm circular
- 50 x 13.5cm (19.7 x 5.3")

### Block Upconverter (BUC)
- 5W

### RF Band
- PM-GX LNB/BUC kit: Commercial Ka (Rx 19.2-20.2GHz, Tx 29-30GHz)

### Terminal Pointing
- Tracking CDTM: -8° to +38° elev, continuous 360° azimuth, <20 sec initial acc, +100ms re-acq

### Power Source
- AC 110/240V

### Management User Interface
- Integrated external interface (IDU)

### Equipment Interface
- 3 x 100Base-T Ethernet

### Packaging
- Single Case (Soft and Hard case options)

### System Weight
- 17.3kg (38.14lb)

### Environmental (Operational)
- -22° to +55°C

### Wind Loading
- Enclosed in radome

## Get SAT Millisat-H GX
### Terminal Efficiency Group
- Group 1

### Terminal Category
- CAT1 (CX751) or CAT5 (non-GX modem)

### Modem Type
- iDirect CX751 GX Core Module

### Aperture
- Offset Gregorian with Segmented Reflector. Equiv to 65cm circular
- 50 x 13.5cm (19.7 x 5.3")

### Block Upconverter (BUC)
- 25W

### RF Band
- PM-GX LNB/BUC kit: Commercial Ka (Rx 19.2-20.2GHz, Tx 29-30GHz)

### Terminal Pointing
- Tracking CDTM: -8° to +38° elev, continuous 360° azimuth, <20 sec initial acc, +100ms re-acq

### Power Source
- AC 110/240V

### Management User Interface
- Integrated external interface (IDU)

### Equipment Interface
- 3 x 100Base-T Ethernet

### Packaging
- Single Case (Soft and Hard case options)

### System Weight
- 17.3kg (38.14lb)

### Environmental (Operational)
- -22° to +55°C

### Wind Loading
- Enclosed in radome

## Cobham EXPLORER 8100
### Terminal Efficiency Group
- Group 1 Group 1/2 (Type Approval Pending)

### Terminal Category
- CAT1

### Modem Type
- iDirect CX751 GX Core Module

### Aperture
- Offset Gregorian with Segmented Reflector. Equiv to 65cm circular
- 50 x 13.5cm (19.7 x 5.3")

### Block Upconverter (BUC)
- 5W

### RF Band
- PM-GX LNB/BUC kit: Commercial Ka (Rx 19.2-20.2GHz, Tx 29-30GHz)

### Terminal Pointing
- Assisted Manual Point (TM Acquisition Wizard)

### Power Source
- AC 85-265V; DC 12-36V; Battery Options Available

### Management User Interface
- Integrated external interface (IDU)

### Equipment Interface
- 3 x 100Base-T Ethernet

### Packaging
- Single Case (Soft and Hard case options)

### System Weight
- 17.3kg (38.14lb)

### Environmental (Operational)
- -22° to +55°C

### Wind Loading
- Enclosed in radome

## Paradigm CONNECT100T
### Terminal Efficiency Group
- Group 2

### Terminal Category
- CAT1

### Modem Type
- iDirect CX751 GX Core Module

### Aperture
- Offset Gregorian with Segmented Reflector. Equiv to 65cm circular
- 50 x 13.5cm (19.7 x 5.3")

### Block Upconverter (BUC)
- 5W

### RF Band
- PM-GX LNB/BUC kit: Commercial Ka (Rx 19.2-20.2GHz, Tx 29-30GHz)

### Terminal Pointing
- Assisted Manual Point (TM Acquisition Wizard)

### Power Source
- AC 110/240V

### Management User Interface
- Integrated external interface (IDU)

### Equipment Interface
- 3 x 100Base-T Ethernet

### Packaging
- Single Case (Soft and Hard case options)

### System Weight
- 17.3kg (38.14lb)

### Environmental (Operational)
- -22° to +55°C

### Wind Loading
- Enclosed in radome

## Paradigm CONNECT
### Terminal Efficiency Group
- Groups 1/2/4

### Terminal Category
- CAT1

### Modem Type
- iDirect CX751 GX Core Module

### Aperture
- Offset Gregorian with Segmented Reflector. Equiv to 65cm circular
- 50 x 13.5cm (19.7 x 5.3")

### Block Upconverter (BUC)
- 5W

### RF Band
- PM-GX LNB/BUC kit: Commercial Ka (Rx 19.2-20.2GHz, Tx 29-30GHz)

### Terminal Pointing
- Assisted Manual Point (TM Acquisition Wizard)

### Power Source
- AC 110/240V

### Management User Interface
- Integrated external interface (IDU)

### Equipment Interface
- 3 x 100Base-T Ethernet

### Packaging
- Single Case (Soft and Hard case options)

### System Weight
- 17.3kg (38.14lb)

### Environmental (Operational)
- -22° to +55°C

### Wind Loading
- Enclosed in radome
COMMUNICATIONS MADE CERTAIN
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