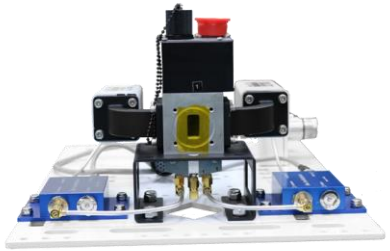
Orbital Connect **Presentation**

Orbital Connect Key Advantages

- ✓ Global Satellite Hardware Supplier
- ✓ More than 3 000 products portfolio
- ✓ Equipment for Telecom, Teleports and Tower operators
- ✓ Customizable items
- ✓ 15+ leading manufacturers in the industry
- ✓ Quick and easy delivery tracking
- ✓ Single point of contact and quick response
- ✓ Available online catalogue
- ✓ Loyalty Program
- ✓ Free Consultation
- ✓ Platinum and Authorized Distributor for major satellite manufacturers

ORBITAL CONNECT

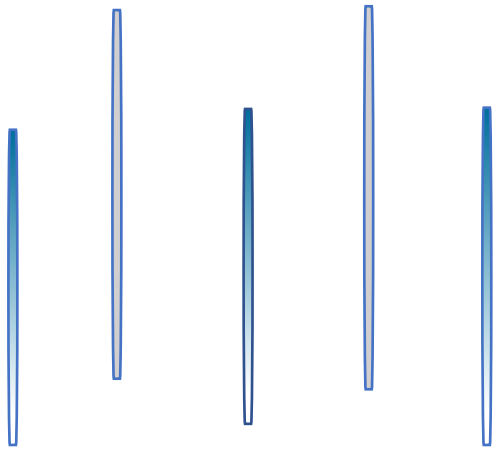


Satellite Industry Hardware

- Norsat antennas and components
- Actox BUCs and LNBs
- Terrasat BUCs
- CPI Converters
- iDirect, UHP and Comtech Modems
- Intellian antennas
- Kymeta terminals
- Fleet Broadband Terminals
- Paradigm terminals

Norsat International Inc. Authorized Distributor
Intellian
inmarsat
KYMETA AUTHORIZED PARTNER
CPI
COMTECH
TERRASAT Communications, Inc. Engineered to Endure.
ACTOX
ST Engineering
Paradigm Clear Sighted Solutions

Block Upconverters



Bands	Norsat	Terrasat	Actox
C-Band	✓	✓	✓
Ku-Band	✓	✓	✓
Ka-Band	✓	✓	✓
X-Band		✓	✓
DBS-Band			✓

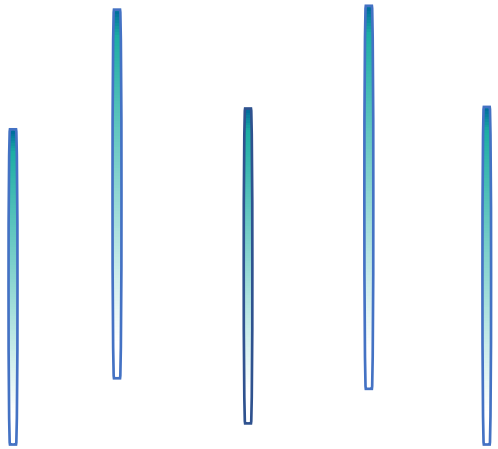
BUCs	2W	3W	4W	5W	6W	7W	8W	10W	12W	15W	16W	20W	25W	30W	40W	50W
Norsat	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓		✓	✓
Terrasat				✓				✓		✓		✓	✓	✓	✓	✓
Actox	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

BUCs	60W	80W	95W	100W	125W	135W	150W	175W	180W	200W	220W	250W	300W	400W	500W
Norsat		✓													
Terrasat	✓	✓		✓	✓		✓	✓		✓				✓	✓
Actox	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	

Over 800 customizable BUCs

Check our online catalog at https://store.orbitalconnect.com

Low Noise Block Downconverters



LNB Type
PLL
DRO
External
External & Internal

Over 900 customizable LNBs

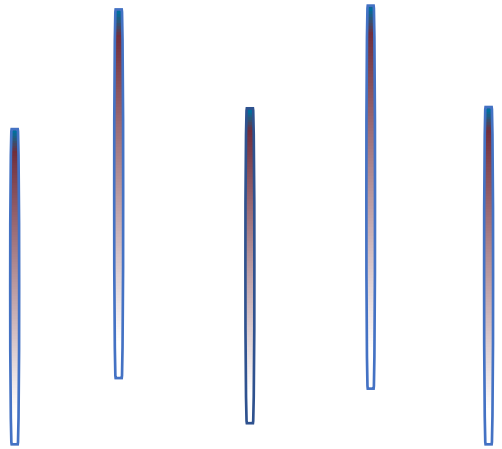
Norsat International Inc.

Actox

LNBs	Norsat	Terrasat	Actox
C-Band	✓	×	✓
Ku-Band	✓	×	✓
Ka-Band	✓	×	✓
X-Band	✓	×	✓
Q-Band	✓	×	×

Check our online catalog at https://store.orbitalconnect.com

Norsat 5G Band Pass Filters



Norsat International Inc.

Norsat Standard C-Band BPF-C-7

KEY SPECIFICATIONS	
Product Family	Standard C-Band BPF
Band	C-Band
Input Frequency - Band 1	C-Band: 3.70 - 4.20 GHz
RF SPECIFICATIONS	
Output VSWR	1.4 : 1
INTERFACE SPECIFICATIONS	
RF Input Connector	CPR 229G waveguide grooved
RF Output Connector	CPR-229F
PHYSICAL SPECIFICATIONS	
Dimensions (L x W x H)	120 x 100 x 70 mm
Weight	< 650 g

Norsat's band pass filters reject terrestrial interference in C-Band and can be easily installed between the feed and an LNB. It is suitable for use with Norsat's existing C-Band LNBs and is environmentally sealed and moisture resistant (IP66). BPF / BPF-C Series.

50 customizable BPFs

Check our online catalog at https://store.orbitalconnect.com

Redundant Switches

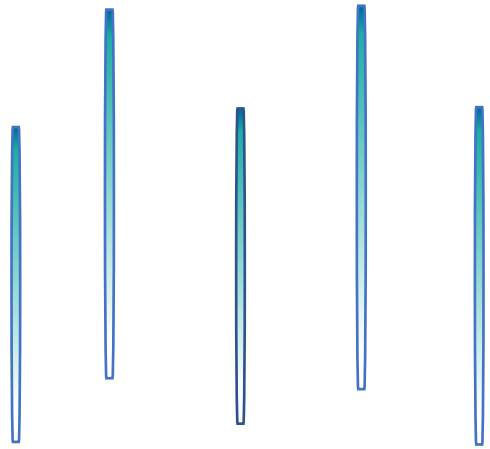
Norsat International Inc.

TERRASAT Communications, Inc. Engineered to Endure.

Switch Systems automatically detect signal faults and switch to an alternate BUC, LNB, LNA or BDC - providing maximum satellite service availability.

RF Redundant Systems provide contact closures in case of failure and a redundancy switch logic controller, mounted in a rack indoors, provides the logic and control to switch from a failed unit to an operational unit.

Low Noise Amplifier



Orbital Connect offers premium performance and reliability in the smallest form factor possible, in all key satellite bands. High-quality Norsat's LNA amplifies your satellite signal to a point where it can be split with minimal noise figure impact

Norsat LNA-8000NP

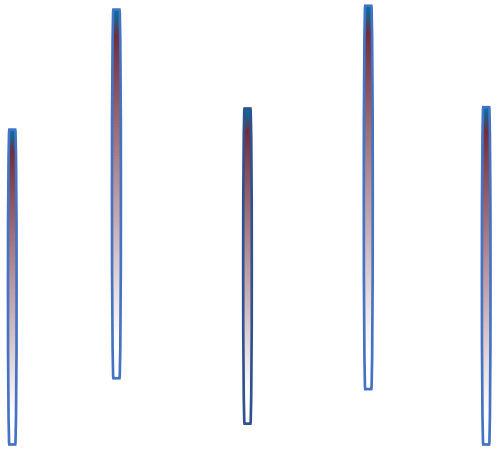
Norsat LNA-4000CS

LNAs	Norsat	Terrasat	Actox
C-Band	✓	×	×
Ku-Band	✓	×	×
Ka-Band	✓	×	×
X-Band	✓	×	×

Over 200 customizable LNAs

Check our online catalog at https://store.orbitalconnect.com

Block Downconverter



Block downconverters (BDCs) are used when you want to cover an entire satellite band with a single antenna. Norsat's Block Downconverters (BDCs) provide high performance signal conversion for satellite communication.

Norsat International Inc.

Norsat 3000 Series BDC-3000XSP-10S C-Band Single-band BDC

BDCs	Norsat	Terrasat	Actox
C-Band	✓	×	×
Ku-Band	✓	×	×
Ka-Band	✓	×	×
X-Band	✓	×	×

Over 900 customizable LNBs

Check our online catalog at https://store.orbitalconnect.com

iDirect Modems

ST Engineering

- High-Speed, Mid-range and Entry-Level satellite modems
- SCPC (Single Channel Per Carrier) modems
- TDM/ TDMA modems
- Hubless TDMA
- Hub systems
- (NMS) Network Management System
- IoT Terminals
- Redundant switches
- Converters

Check our online catalog at https://store.orbitalconnect.com

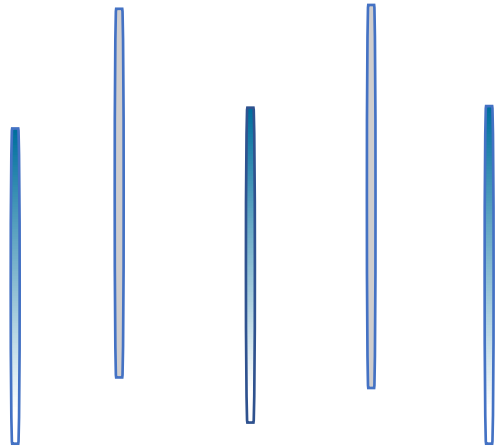
Newtec Modems

ST Engineering

- High-Speed satellite modems for low, medium and high-speed applications
- SCPC (Single Channel Per Carrier) modems
- TDM/ TDMA modems
- DVB-S2 & DVB-S2X standard
- Fixed & Mobility Services Supported
- Open AMIP and GXT file support for security features with 256-but APSK encryption
- Internet Access, VoIP, Enterprise, Maritime and Multicast services

Check our online catalog at https://store.orbitalconnect.com

UHP Modems



- High Performance TDM/TDMA Satellite Routers
- Efficient DVB-S2 & DVB-S2X modulations with 5% or 20% roll-off
- Adaptive coding, modulation, transmission power control for forward & return link
- Dual Satellite or Dual operations with dynamic traffic balancing and automatic beam switching
- Support of VLAN, multilevel QoS, RT traffic, TCP acceleration, AES encryption

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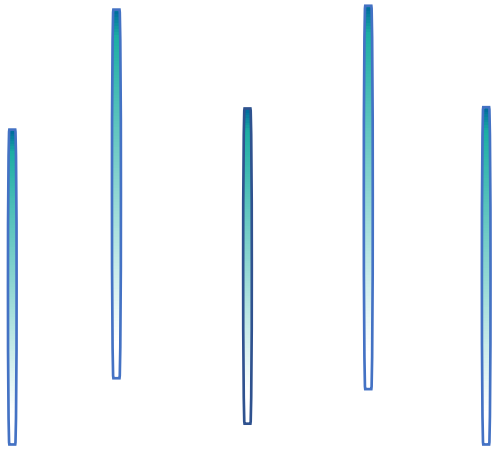
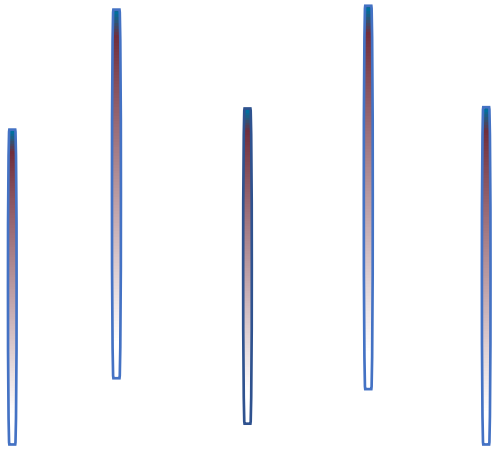
Fixed VSAT Antennas



- Receive/Transmit Fixed & Flyaway VSAT Terminals
- Variety of frequency bands – C, Ku, Ka bands
- Antennas suitable for the most demanding applications
- Precise Azimuth/Elevation Adjustment
- High-wind resistant
- Easy installation
- ISO & RoHS certification
- Various installation mounts

Check our online catalog at https://store.orbitalconnect.com

DTH Solutions for Commercial Ships



Intellian

- Leading manufactures equipment
- TVRO antennas – North America (DISH, DIRECT TV)
- Linear Polarized, Sky Mexico, Sky Brazil, and Europe
- Concierge services upon request
- Commercial, Leisure, Offshore markets

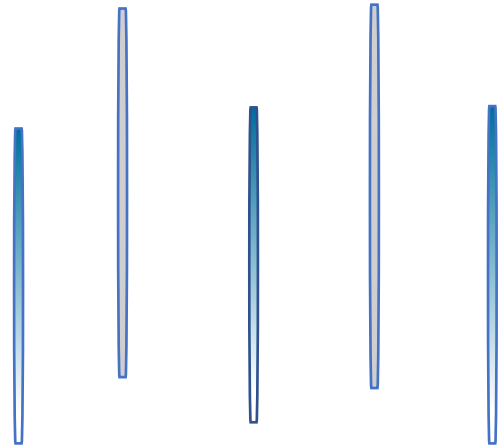
Check our online catalog at https://store.orbitalconnect.com

Bandwidth Efficiency Satellite Modems and Modulators

- High-Speed, Mid-range and Entry-Level satellite modems
- Comtech modems support a variety of application
- Mobile, Backhaul, Government, Enterprise and mobility
- High Efficiency MODCOD selection and coding techniques
- Satellite Transponder Bandwidth optimization
- Advanced Forward Error Correction capabilities
- Carrier in Carrier optional features

Check our online catalog at https://store.orbitalconnect.com

RF Products – Frequency conversion and high-power amplifiers



- Extensive Product line that provides frequency conversion and amplifier solutions
- Indoor and Outdoor units
- Field-Proven Performance and Reliability
- Global Deployment for commercial and Government markets
- Fixed, mobile and on-the-move applications
- High-power outdoor amplifier delivers its rated power guaranteed at the 1 dB compression point to the transmit waveguide flange
- High-performance and cost-effective frequency conversion for SCPC, DAMA and TDMA as well full transponder HDTV and analog TV

Check our online catalog at https://store.orbitalconnect.com

ORBITAL CONNECT

Equipment For Emergency Communications

SWARM Multiband Ultra Portable Flat Panel Terminal

COBHAM BGAN Explorer 710

HORNET Flyaway Terminal 60/80/100 cm

KYMETA U8 Geo terminals

MANTA High Speed Satcoms On The Move

NORSAT Manual Flyaway Antennas

ISAT PHONE 2 Satellite Phone

INTELLIAN Maritime VSAT Antennas

Contact:

T: +1 888.315.9545 - Americas
T: +359.876.510.500 - EMEA
E: contact@orbitalconnect.com

US Office
A: 10880 Wilshire Blvd, Los Angeles, CA 90024

EMEA Office
A: Tsvetan Lazarov 105A, 1589 Sofia, Bulgaria

www.orbitalconnect.com