

# iDirect Broadband

## Enterprise-Grade Satellite Broadband Connectivity Solution

BusinessCom's iDirect® Broadband solution delivers superb Internet access performance to locations worldwide via satellite. It features fully unlimited data, no session throttling, with all IP applications supported out-of-the-box.

Perfect business connectivity service by any measure, the iDirect Broadband SLA features 99.5% guaranteed network availability and dedicated CIR bandwidth quota for business quality voice and video conferencing. The standard package includes bi-directional QoS application prioritization, built-in threat management and network intrusion prevention system, antivirus and fully accelerated VPN with 256-bit AES encryption, making iDirect Broadband an ideal way to provide secure broadband connectivity to any location, no matter how remote.





## The iDirect Platform

BusinessCom's solution is based on the most advanced VSAT platforms available on the market today: iDirect Evolution® and Velocity®.

iDirect has been the industry standard for enterprise-grade satellite connectivity for over a decade. Our solution offers a wide selection of iDirect X, 9 and the new iQ-series satellite routers, delivering over 98% efficiency via Adaptive TDMA uplinks with proprietary Segmentation and Reassembly (SAR) technology. This results in very high level of bandwidth availability and crystal-clear voice and video.

## BusinessCom Sentinel PF™

Bandwidth management and optimization is an integral part of our solution.

The Sentinel server adds firewall, caching, bandwidth management, optimization, remote monitoring and diagnostics capabilities to the satellite system. It manages how the service is delivered to each device in your local network and helps prevent bandwidth abuse.

## Wi-Fi Capabilities

The iDirect Broadband terminal includes a dual band Wi-Fi access point to share access in the office.

The system can be extended to provide outdoor wireless coverage to many hundreds of users via 2.4 and 5 GHz bands, and works in tandem with Sentinel's Captive Portal, end user authentication and management services.





# 20 MBPS

## High Availability Service

The iDirect Broadband is provided on Ku and C-band satellite beams, using Adaptive TDMA technology, delivering industry's best network uptime in all weather conditions.

Compared to Ka-band, BusinessCom links have 12–16 dB higher average link margins and feature adaptive coding and modulation on both downlink and uplink directions. This provides significantly better reliability during adverse weather conditions. When other links experience rain fade outages, BusinessCom VSATs remain connected at full bandwidth.

## High-Quality Electronics

We use standard frequency electronics manufactured in Japan and USA in order to assure trouble-free operation for many years.

All BusinessCom's iDirect Broadband services are provisioned using industry standard radio frequencies. This means BusinessCom's VSAT equipment is compatible with a wide range of current and upcoming satellites, featuring long-term effortless upgrade paths and protection of your investment.

## Interference Mitigation

BusinessCom offers optional interference mitigation filters making the iDirect Broadband systems less prone to link errors due to terrestrial emitters.

5 GHz Wi-Fi and other microwave radio equipment, airport altimeters, military radars, cellular towers – all have potential to interfere with VSAT signals, especially at C-band. BusinessCom offers a selection of filters to protect your satellite frequencies for terminals installed in radio-polluted areas.

**JRC** *New Japan Radio Co., Ltd.*



# One Service – Many Possibilities

The iDirect Broadband is designed to excel in diverse environments.

The service is compatible with a wide range of standard VSAT terminals – from fixed parabolic reflectors, to portable man-packs, drive-away and fly-away systems such as iNetVu®, ToughSat XP and others, gyro-stabilized maritime and specialized antennas.



- **Up to 20 Mbps bandwidth**

Custom tailored bandwidth options.  
Multiple terminals can share the same service package.

- **99.5% SLA**

Enterprise-grade SLA with guaranteed network uptime.  
Operation without packet loss in wet climates.

- **Unlimited Data**

Flat monthly fee with unlimited traffic volume.  
No usage policies or session throttling.

- **Dedicated Bandwidth**

CIR bandwidth for business quality audio/video conferencing and extensive data transfers.

- **Bi-directional QoS**

Prioritize any IP application or protocol to ensure your bandwidth demands are satisfied during peak network load.

- **Accelerated VPN over Satellite**

Secure private wide area networking at full performance.  
Industry standard 256-bit AES encryption protocol.

- **Network Intrusion Prevention System**

Network protection from intrusion, denial of service attacks, viruses, trojans and other malware.

- **Bandwidth Management**

Firewall, cache, user authentication and traffic shaping.  
Remote administration and diagnostics.

Small Business

Enterprise

Energy and Utilities

Construction

Maritime

Defense

Government

Aviation

National Security

Border Control

Regional Administration

Rural Communities

Hospitality

Healthcare

Financial

Education



# Available Worldwide

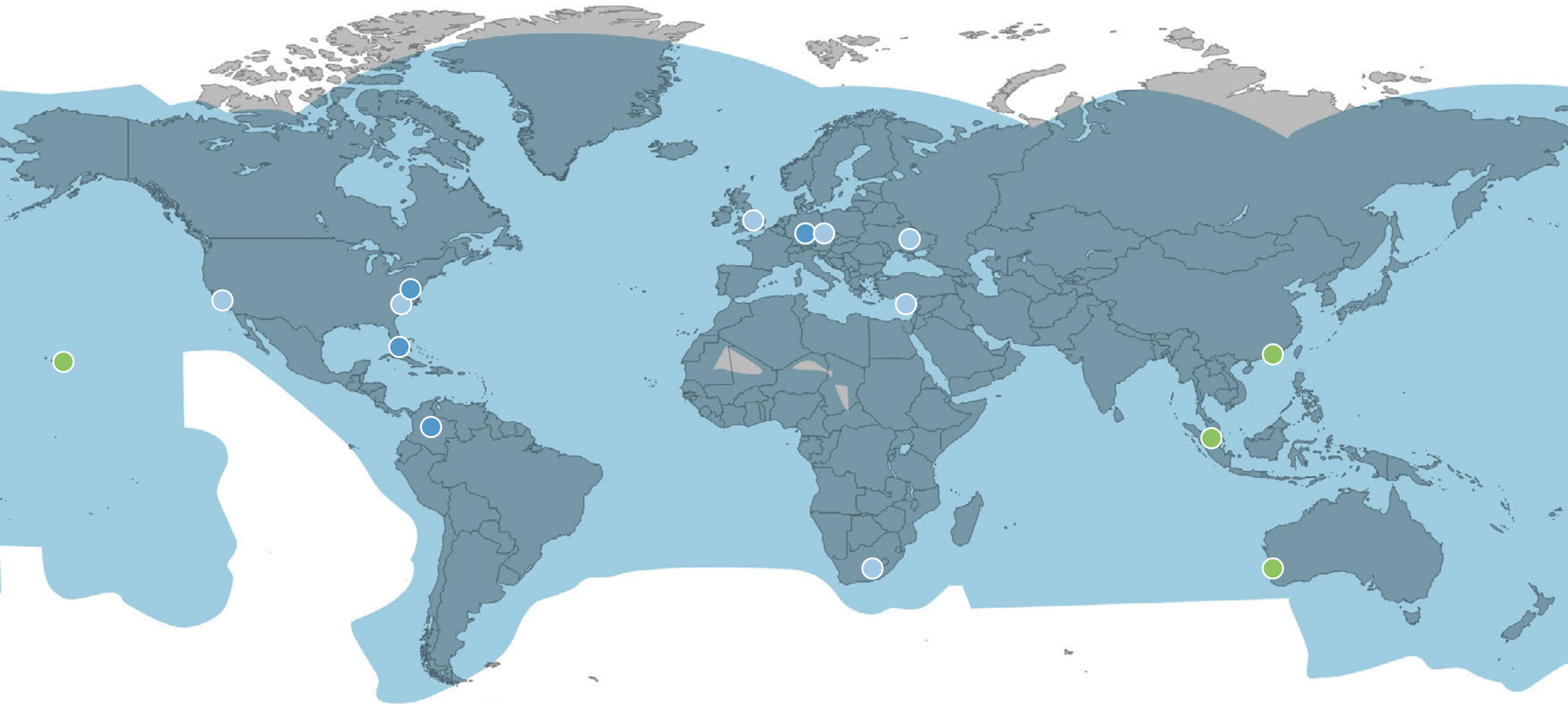
- BusinessCom Teleport Network
- BusinessCom Sales/Support Location
- Partner Teleport

## True Global Reach via High-Throughput Geostationary Satellite Fleet.

The iDirect Broadband service is available on 19 geostationary satellites, offering Ku and C-band wide-beam and spot beam coverage of more than 90% of Earth's landmass and waterways.

### BusinessCom and Partner Teleport Networks:

- DE1 in Munich, Germany
- US1 in Miami, FL
- US2 in Washington, DC
- CO1 in Bogota, Colombia
- Singapore (Partner)
- Perth, Australia (Partner)
- Kapolei, HI (Partner)
- Hong Kong (Partner)



# iDirect Satellite Routers

The iDirect Broadband remote portfolio supports a wide range of data speeds — from narrowband to large bit rates — to meet distinct end user requirements for any application. The remotes are available in multiple form factors, including desktops, rackmounts, outdoor variants and router boards.



X1



X1 Outdoor



X7

## X Series

- X1 is a compact, cost-effective satellite router for large-scale networks
- Available in indoor and outdoor enclosure DC-powered options
- X7 features rack-mount case, increased throughput and packet forwarding rates for enterprise applications



iQ Desktop



9350

## 9 Series

- High-performance and secure router for mobility remotes
- Available in rackmount, board and manpack form factors including Defense Aero variants



900



950mp

## iQ Series

- High throughput and packet forwarding rate
- Desktop Series for broadband enterprise networks
- iQ 200 Series (board, rackmount) ideal for enterprise applications
- Cost-effective maritime applications



iQ 200 Board



iQ 200 Rackmount



iQ LTE

# Portal

## Management & Support

All your contracts with BusinessCom and remote VSAT sites managed via web interface on your PC, smartphone or tablet. Request technical support, add, upgrade, downgrade, suspend and disconnect services whenever necessary.

## SATCOM & IP Statistics

Real-time and historical SATCOM and IP statistics available for your services, including total and per-application bandwidth usage charts, Carrier-to-Noise (C/N) levels on downlink and uplink, transmit power, remote modem temperature, uptime, TDMA statistics, symbol and frequency offset.

## Billing

Access all open and closed invoices and credit notes in real-time. Every change properly accounted, all documents available for download in PDF format. All account data can be exported to CSV and Excel formats.

## Contracts

Up to date contractual data available per each contract, such as current service level, bandwidth, subscription term and security deposit status. Submit procurement requests for services and hardware online.

## Payments

BusinessCom accepts wire transfer, all major credit cards and PayPal payments online via Portal.





# About BusinessCom

From the Americas to the Pacific, our core business is to provide your organization with satellite connectivity service to the Internet and private clouds. This enables all your locations, no matter how remote, to be connected at all times.

BusinessCom is committed to supplying you with the most innovative satellite solutions and turn-key projects. Our success is founded on the team of highly skilled SATCOM engineers who are continually updating their knowledge to ensure that we, as a leading supplier, are always at the cutting edge of the technology.



## Founded in 2003

Four teleport networks with 24 x 7 Network Operations Center.  
Member of World Teleport Association and Réseaux IP Européens NCC.

## Over 1,300 Sites Deployed

Extensive experience with iDirect, Comtech EF Data™, UHP and Newtec platforms.  
Solutions ranging from broadband to SCPC trunking, mesh networks, VNOs and more.

## Tier 1 Connectivity to European and American Networks

Redundant fiber optic access to Equinix, GTT, Telx, CenturyLink.  
Peering with ECIX for connectivity to Apple, Amazon, Google and Microsoft clouds.

## Quality Management

DE1 network is ISO 9001:2015 certified, access via security clearance.  
3 x 60–100 kVA UPS on site, all servers installed in humidity-controlled rooms.



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