BUSINESSCOM®
NETWORKS

OneWeb Service

Enterprise-Grade Low-Latency Satellite Connectivity Solution

BusinessCom OneWeb is a business satellite connectivity service delivered over the OneWeb constellation in Low Earth Orbit. It is designed to provide fiber optic performance with sub-150 ms RTT anywhere in the world.

Perfect business connectivity service by any measure, BusinessCom OneWeb SLA features 99.5% guaranteed network availability, burstable and dedicated bandwidth quota, supporting any IP application and toll-quality voice and video conferencing. The service features our Multi-Service Optimization (MSO) technology, bi-directional QoS application prioritization, built-in threat management and network intrusion prevention systems, antivirus and 256-bit AEAD encryption.

OneWeb   Intellian

Diagram labels:

End User Terminals

Ku-Band

OneWeb Satellites in Orbit

Ka-Band

Gateways

Enterprise LEO Service

BusinessCom OneWeb service is designed for business and government applications.

Low Earth Orbit (LEO) constellations represent the next generation of satellite connectivity services, providing 3-5 times lower latency than geostationary spacecraft and, in some cases, even exceeding that achieved via terrestrial and submarine fiber optic links. Not all LEO services are the same though. BusinessCom OneWeb is the first non-geostationary service that is fully optimized to support online collaboration enviornments and modern SaaS/STaaS applications, such as Office 365, Google Workspace, SAP, Oracle and IBM cloud applications, and others.

MSO and Sentinel PF™

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

Multi-Service Optimization (MSO) is a combination of bandwidth management and optimization policies implemented on multiple IP layers, from 3 to 7. It relies on a set of technologies ranging from traditional class-based shaping to DPI, intelligent session tracking and BusinessCom's proprietary IP traffic classification routines to assure bandwidth availability for your applications. The Sentinel provides firewall, caching, LAN bandwidth management, remote monitoring and diagnostics capabilities to the satellite system.

No Limits

BusinessCom OneWeb Service features fully unlimited traffic, without FAP or FUP limits.

Unlike many other services, BusinessCom OneWeb Service has no limits on the volume of traffic you can receive or transmit per month, no artificial TCP or UDP session limits, and provides both dedicated (CIR, Committed Information Rate) and burstable (BIR, Burstable Information Rate) bandwidth at the same time for common and real-time applications.

200 MBPS
High Performance Service

BusinessCom OneWeb Service is provided on high-power Ku-band OneWeb LEO satellite beams using CDMA technology, delivering industry's best network uptime in all weather conditions.

Compared to Ka-band GEO VSAT and LEO/MEO links, BusinessCom OneWeb links has significantly 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 OneWeb Service remains connected at full bandwidth.

2+1 Redundancy Option

BusinessCom offers optional redundant equipment option to prepare OneWeb systems for critical missions.

Traditionally, all non-geostationary satellite services can operate using two parabolic reflectors, a single fast-retrack reflector or an electronically scanning flat panel antenna. BusinessCom OneWeb Service adds an option for a third antenna to act as a redundant element in the array to support mission-critical connectivity.

SecureLink

BusinessCom OneWeb Service includes SecureLink threat management solution to assure trouble-free operation of remote networks.

As the threat landscape continues to develop rapidly, traditional firewalls fall further behind and put your organization at risk. SecureLink provides extensive application control and intrusion prevention functionality. BusinessCom manages SecureLink to keep your networks protected as new threats arise.

Feature	BusinessCom OneWeb	Eutelsat OneWeb	GEO VSAT	Starlink	O3b
Unlimited Data	Yes	Varies	Varies	No	Yes
Typical Throughput	10-200 Mbps	10-200 Mbps	1-50 Mbps	50-200 Mbps	10-1000 Mbps
Dedicated CIR Bandwidth	Yes	Yes	Varies	No	Yes
Bandwidth Oversubscription Ratios	1:1 to 1:5	1:1 to 1:5	1:1 to 1:50	1:20 (approx)	1:1
Low Latency	Yes	Yes	No	Yes	Yes
No FAP Limits	Yes	Varies	Varies	No	Varies
Application Prioritization	Yes	No	Varies	No	No
SaaS and Cloud Access Prioritization	Yes	No	No	No	No
Packet Loss and Network Availability SLA	Yes	Yes	Varies	No	Yes
Local Bandwidth Management	Yes	No	No	No	No
Threat Management	Yes	No	No	No	No
End-to-End Encryption	Yes	No	No	No	No
Web Access Policies	Yes	No	No	No	No
Redundancy & Fail-Over	Yes	No	Varies	No	No
Bandwidth and Packet Loss Monitoring	Yes	No	Yes	No	Varies

One Service – Many Possibilities

BusinessCom OneWeb Service is designed to excel in diverse environments.

The service operates with a wide range of parabolic and flat panel terminals – from single fast retrack parabolic reflectors, to portable man-packs, drive-away and fly-away systems, such as Kymeta, and others.

- **Up to 200 Mbps throughput**
  Private network and dedicated bandwidth options.
  Multiple terminals can share the same CIR pool.

- **99.5% SLA**
  Enterprise-grade SLA with guaranteed network uptime.
  Operation without packet loss in tropical 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.

- **Encryption**
  Secure private wide area networking at full performance.
  Innovative low-overhead 256-bit AEAD 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 Low Earth Orbit Satellite Fleet.

BusinessCom OneWeb Service is available globally from pole to pole, offering Ku-band spot beam coverage of more than 90% of Earth's landmass and waterways.

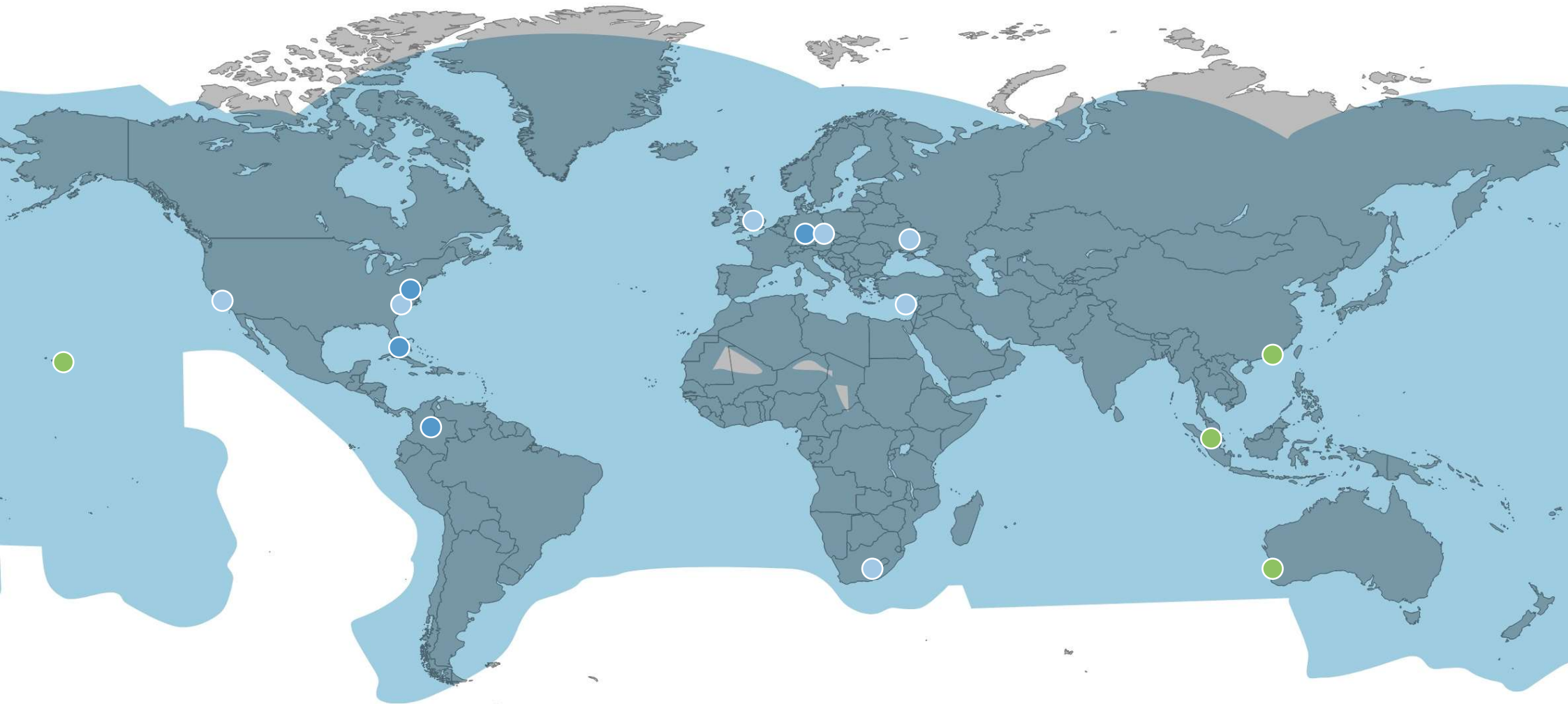648 Satellites • 18 Launches • 1.1 Tbps Fwd. Capacity • 42 SNPs[1] • Global Coverage

BusinessCom and Partner Teleport Networks uplinking GEO networks:

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

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 1,600 Sites Deployed
Extensive experince 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 × 60–100 kVA UPS on site, all servers installed in humidity-controlled rooms.

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