

Accelerating Business through Technology



Business Broadband Accelerated (BB-X)

BB-X is an end-to-end business broadband access service that is enhanced through content management and transmission optimisation technology. The BB-X service provides small-to-medium enterprises the ideal satellite access for broadband, cloud and IP telephony services.



The access solution eliminates the classical cost-performance constraint of satellite technologies and offers the SME market a completely new paradigm in performance and cost value. The solution was specifically developed to address the budget constraints of SMEs and to unlock the value of true high-speed and uncapped broadband access services.

Benefits

Acceleration & Optimisation

The BB-X service includes satellite bandwidth optimization and performance enhancement technologies. All TCP protocols get accelerated including SMTP, FTP, POP and IMAP. Data is compressed using the best algorithm available over each connection bi-directionally.

Data Compression

Users gain the full benefit of protocol spoofing and acceleration as well as data stream compression in both the upstream and downstream directions. This is useful for sites that may be moving content upstream or sites that require the absolute maximum capacity from a VSAT link.

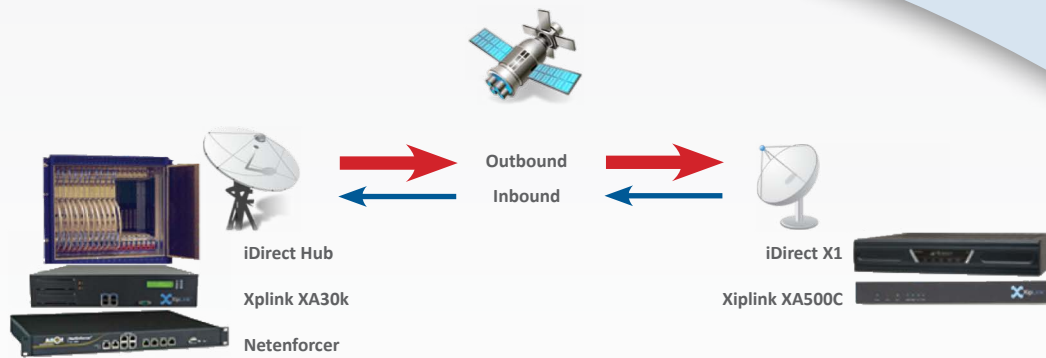
Content Management

The BB-X service is specifically defined and optimised to provide the best business broadband service and implements content management policies to ensure the priority of business content.

Telephony, outbound email and corporate data are prioritised to ensure optimum delivery via the satellite link.

More User Advantages

- An affordable VSAT service for small-to-medium business
- Uncapped Internet Access Services
- High performance – up to 1Mbps / 4Mbps user experience
- Integrated Internet Proxy Cache and Content Filtering
- Traffic prioritisation and QoS services
- Total control & management by local NOC



Solution Overview

HUB Equipment

The BB-X solution is implemented by integration of a Xiplink core unit and Netenforcer content management unit with the que-X iDirect hub infrastructure.

The Xiplink master unit provides outbound acceleration and optimisation on all outbound traffic while the Netenforcer unit implements the specific content prioritisation and content policy rules.

Collectively these units ensure the optimum satellite access service for business broadband applications while maintaining a significant cost advantage.

Remote Subscriber Equipment

Each remote installation is equipped with an iDirect VSAT terminal and Xiplink customer terminal gateway that provides optimisation and acceleration. The Xiplink unit is configured in association with the iDirect X1 or X3 satellite modem to function as a single data communication solution.

The number of users at each remote site determines the specific Xiplink model. Models are available in 500c, 2000c, 4000c and 10,000 units. The standard BB-X service offer includes the rental of an XA500C model.

Contact Q-KON or your Service Provider regarding your requirements or tailor-made solutions.

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Xiplink Key Benefits

- Full bandwidth utilization using the most advanced TCP Acceleration available
- Advanced data compression provides additional capacity, from 2x to 10x increase, for TCP traffic
- Enhanced user responsiveness with integrated HTTP acceleration
- Easy setup and configuration. Runs in bridge mode for simplicity or self-learning dynamic routing mode

Service Profiles

The BB-X service profiles typically include:

Upload	Download	CIR value	Voice channels
256	512	10%	2
256	768	10%	2
256	1024	10%	2
512	1024	10%	5
256	1536	10%	2
512	1536	10%	5
512	2048	10%	5
768	2048	10%	8
1024	2048	10%	11

- Upload: Maximum transmit data rate from the subscriber to the internet.
- Download: Maximum receive data rate by the subscriber from the internet.
- CIR Value: Minimum committed information rate for the upload and download data rates.
- Voice Channels: The maximum recommended number of VoIP phones in a standard office environment.

