



C-X Solution Value Offer

Accelerated Business Broadband VSAT Internet Service



Business Solution

C-X is an end-to-end business Internet access service that is optimised by content management technology to move the market paradigm and set satellite as the preferred broadband access solution. This service works with Q-KON's que-X platform solution.

It is designed for medium to large enterprises that want leverage off broadband access, cloud services 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 C-X solution offers a superior user experience at ADSL comparative rates anywhere in Africa. It includes an additional firewall and access management services to complete the requirements for providing a world-class access service for the SME market.

The solution was specifically developed to address the budget constraints of SMEs while at the same time unlock the value of true high-speed and uncapped broadband access services.

C-X Business Service Features

Acceleration & Optimisation

The C-X Business Service provides two-way bandwidth optimization savings and performance enhancement. The services are implemented in standalone devices, with a shared unit at the que-X Teleport as well as a device at each remote VSAT site. Users at remote sites 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. All TCP protocols get accelerated including SMTP, FTP, POP and IMAP. Data is compressed using the best algorithm available over each connection bi-directionally.



Remote Management Gateway

Designed for larger organizations and distributed environments, the C-X RMG includes an extensive list of features and integrated services, including DHCP Server, 1-to-1 NAT, Firewall services, Antivirus, Bandwidth Management, Content & Protocol filtering and a Web Proxy Cache. All these services allow the VSAT traffic to be minimised and optimised to enhance users' experience to the full.

Content and Protocol Filtering

Keeping the focus on business orientated services and applications the following **content** will be managed and allowed;

- Email services
- Webmail services
- Online banking
- News, Sports and Weather
- Instant Messaging
- All other content will be blocked and will gladly evaluate and consider customer requests to allow other content for business requirements.



Protocols that will be blocked include;

- Peer-2-Peer
- Audio and video streaming
- Gaming
- Worms and viruses



Key Benefits

- An affordable VSAT service for medium to large business
- **Uncapped** Internet Access Services for up to 50 users
- High performance – various bandwidth options available
- Integrated Internet Proxy Cache, Content Filtering, Anti-virus & firewall services
- Traffic prioritisation and QoS services
- Total control & management by local NOC
- Quick deployment and relocation as needed
- Deployment anywhere - no 7km last mile limitation as with ADSL
- Highest service availability - no cable theft problems
- Static Public IP addresses are provided
- Includes provision for two VoIP channels (G.729a) with QoS



The Technology

The C-X Business Service is based on the underlying VSAT communication services provided by the que-X VSAT platform, established in September 2010, for the South African and African market. This platform is managed directly by the Q-KON Network Operations Centre in Centurion and is one of several platforms developed and established by Q-KON to address various markets in Africa.

Q-KON's que-X VSAT platform is a Business Satellite Access Service that is optimised to provide a two-way communication circuit using C-Band satellite services from an on-premise earth station at the customer remote site to a teleport facility in Midrand, South Africa, where the Internet connection is interconnected. The que-X platform is based on the latest iDirect Evolution technology which is engineered for broadband applications and supports real-time applications such as VoIP and video conferencing.

The service is targeted at South African companies with remote branches, even those with one or two remote stations, who want to get reliable data and Internet connectivity without having to incur major infrastructure costs. The C-X Service provides an optimised service on the above platform designed for medium to large businesses providing a complete business solution with optimisation and additional facilities to enable the service to support up to 50 users per site.

***que-X* Teleport in Midrand**



Commercial Options

Satellite Equipment Options

- Self-provide or supply of que-X C-Band remote satellite terminal equipment – **see equipment specifications below**
- Q-KON can scope, cost and offer a proposal for the supply of que-X C-Band equipment and bundled C-X service provisioning which includes the RMG, acceleration and optimization hardware – **please enquire with your business executive**

Equipment Specification for self-provide or supply

- C-Band Remote System consisting of;
 - 1.8m (max 512kbps Tx) / 2.4m (max 1Mbps Tx) antenna with circular feed
 - Kingpost mount
 - 5W C-Band BUC - **NJT5656F**; C-Band PLL LNB – **NJR8487H**
 - Modem - **iDirect X3 / iDirect X5**
 - RG6 IFL cable for path up to 30m, RG11 IFL cable for path up to 50m; F-type male
 - Miscellaneous installation material – Weatherproofing, cable ties, conduit, etc.

C-X Service Profile

Service Definition	Service Profile- Committed Rate
C-X	128kbps (up) / 512kbps (down)
	256kbps (up) / 256kbps (down)
	256kbps (up) / 512kbps (down)
	256kbps (up) / 1Mbps (down)
	512kbps (up) / 512kbps (down)
	512kbps (up) / 1Mbps (down)
	512kbps (up) / 2Mbps (down)

General Terms and Conditions

- Satellite internet access service to be provisioned via Q-KON que-X platform
- Own satellite equipment may be used upon approval of the Q-KON platform engineer
- Service provider is responsible for first line support to end-users. Q-KON will provide technical support directly and only to the service provider.
- **Service agreement term:** minimum **12 months**
- **Contract Insurance Fee:** Equal to 1 month service charge, payable in advance
- **Payment:** Payment to be received monthly in advance
- **Engineering:** Excluded, will be charged in addition
- **General Service Agreement terms and conditions will apply**

For Further Information Contact:
sales@qkon.com
 Tel: +27 12 665 0052