

que-X 2.0: Serious Business Broadband

The perfect price, performance and features value bundle

Through **seamless integration** of advance billing services, reliable satellite access networks and feature rich IP management capabilities, Q-KON now offers the que-X 2.0 broadband access service which has been optimised for business applications.

The **que-X 2.0 business broadband** service was specifically developed to provide business operations with reliable, high-speed broadband services at an affordable fixed rate per month. With additional IP management features and QoS for video and voice services this is the ideal connectivity solution for remote and “off-grid” business operations.



User Advantages

Satellite Access Circuit

Satellite access circuits were designed to maximise value to business users.

High-speed

This is a priority one business broadband service. User access is offered at up to 4Mbps receive and 1Mbps transmit data rates.

Accelerated VPN

Based on SSTP (SSL) accelerated VPN services can be implemented from remote sites to customer core networks.

Quality-of-Service

Using on-site bandwidth management tools the service can enforce uplink QoS which is critical for voice and video applications.

IP Features

On-site IP management provides remote access for support and the following user benefits.

User Value Added Services

Firewall services for network security. In-depth real time, historical and statistical traffic reporting options. Extended bandwidth management and quality-of-service functions.

Support Services

Extended trouble shooting and service support functions, including full remote access, reporting and debugging tools, enable the Q-KON support team to ensure minimum downtime.

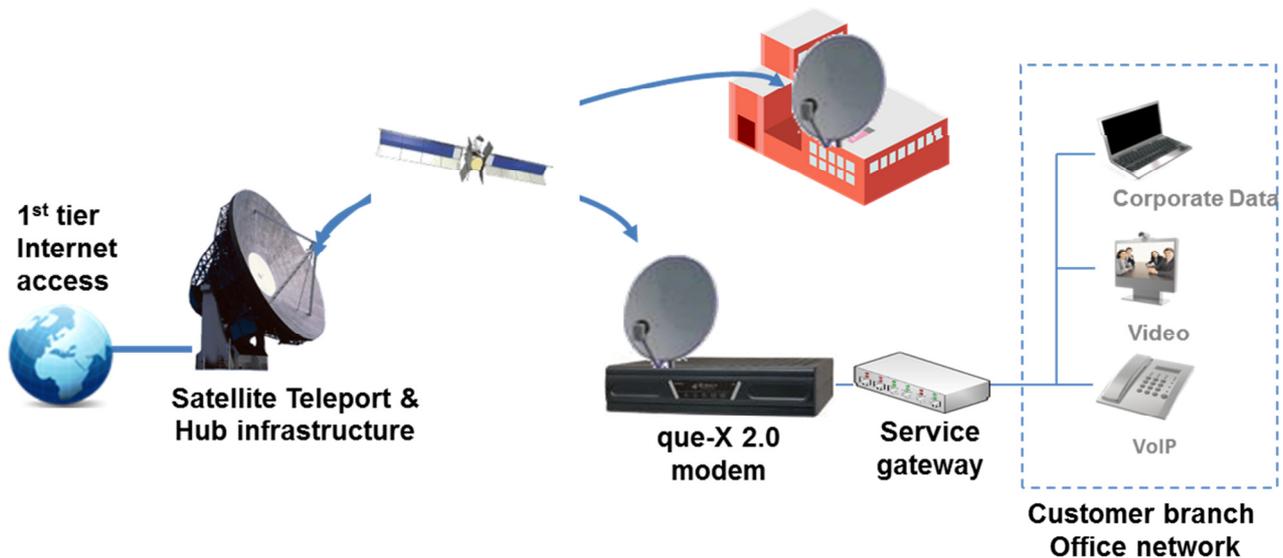
Billing and Commercial

Combining the performance of “usage billing” with the convenience of “monthly billing” the que-X 2.0 service offers business customers the best of both worlds.

The service is contracted for 1 year or more and is provisioned to allow for a set amount of GB per month at the maximum link data rate of 4Mbps.

Should the contracted data bundle be exceeded, the service will continue at a lower limited data rate. The data bundle volumes can be revised during the contract term.

Network Overview



Network Elements

The que-X 2.0 service was developed to provide the most reliable broadband service to remote locations anywhere in Africa. The customer premises equipment is extremely simplified and only includes a satellite antenna, satellite modem and service gateway. All equipment can be configured remotely and no specialized on-site engineering service is required.

Platform Characteristics

The que-X 2.0 service is available on the que-X Ku-band platform with the following characteristics:

- User terminal:** 1.2m, 3W, Ku-band iDirect X1 with service gateway.
- Technology:** iDirect evolution network using X1 satellite modems.
- Satellite:** Intelsat IS28 with all Sub-Saharan coverage area.
- Teleport:** Termination will be at Q-KON's Johannesburg teleport.
- Billing:** Integrated volume billing linked to monthly service.



Advance Remote Support

Extended advance support and remote management functions are included in the que-X 2.0 service. This ensures the most effective support to customer sites installed in remote locations. These functions include;

- **Bandwidth test.** The Bandwidth Tester can be used to measure the throughput (Mbps) between routers and helps to locate network "bottlenecks"- (network point with lowest throughput.)
- **Packet sniffer.** Packet sniffer using libpcap format captures and analyzes packets sent and received by a specific interface.
- **Torch.** Torch is a real-time traffic monitoring tool that can be used to monitor traffic flow through an interface. Traffic can be classified by protocol name, source address, destination address, port. Torch shows the protocols chosen and transmits and receives data rates for each.
- **Graphing.** Graphing is a tool that monitors various RouterOS parameters over time and assigns collected data to graphs.
- **IP-Scan.** IP Scan tool allows the user to scan the network based on some network prefix or by setting the interface to listen to and collect certain data from the network.

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

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