



Quality of Service

A Breakthrough and Unique Feature for Users Among Peer Products

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If you've ever found your 'net' speed has slowed to a crawl because another member is using a bandwidth-consuming file (like P2P) sharing program, you'll understand why the Quality of Service (QoS) feature in **BEC's routers★** is such a breakthrough for home users and office users. Among most of the peer products, BEC makes itself unique by integrating QoS control in its routers for both inbound and outbound traffic of pass through data.

QoS: The Secret of Keeping Your Net Connection Smooth and Responsive

The Quality of Service (QoS) feature helps users manage the bandwidth and prioritize the traffic of data effectively. It gives you the full control over the traffic of any type of data. Employed on DiffServ (Differentiated Services) architecture for QoS guarantee, the traffic of data is given priority by the router, ensuring latency-sensitive application like voice, or even mission-critical files as VPN, move through the router at lightning speed, even under heavy load. You can throttle the speed at different type of data pass through the router – limit the speed of unimportant or bandwidth-consuming applications, and even distribute the bandwidth for different group of users at home or in the office. QoS is the secret that keeps your Internet connection smooth and responsive.

Features of QoS (Quality of Service)

- ◆ Configurable by source and destination IP, protocol, and port
- ◆ Employ DiffServ (Differentiated Services) architecture for QoS Guarantee
- ◆ Support inbound and outbound directions
- ◆ Support DSCP (Differentiated Service Code Point) to prioritize packets
- ◆ Support Time Schedule Control
- ◆ Traffic Prioritization and Bandwidth management:
 - Expedite the handling of latency-sensitive packets and mission-critical applications
 - *IP Throttling* to limit the bandwidth
 - Prioritization specifies and determines the priority of the outgoing packets

★ BEC's Routers



BEC 7500G



BEC 7560G



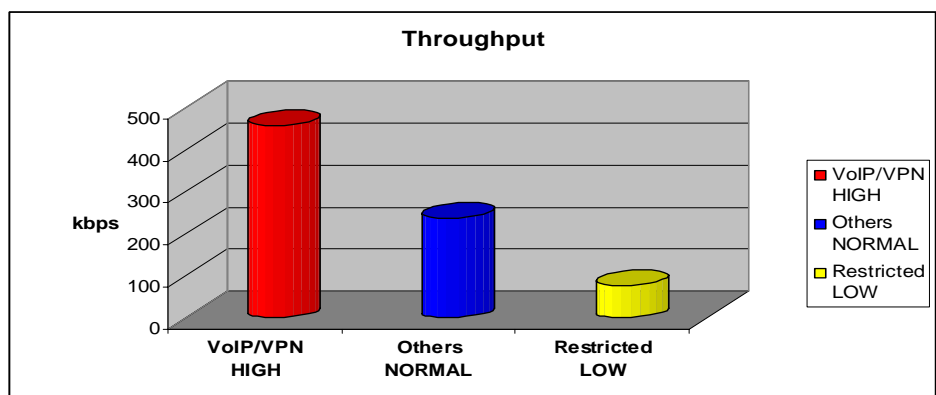
BEC myGuard 7500GL



BEC 7402G



BEC 7402VG



QoS feature enables to control and prioritize the traffic of latency-sensitive packets like VoIP or mission-critical application such as VPN.



For Home users

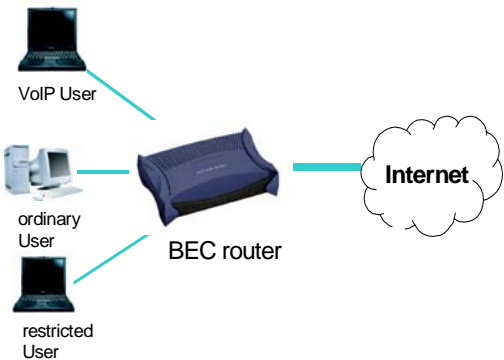
Low latency is everything for gamers. Most home users feel frustrated when trying to play a real time game over a shared ADSL connection. Unfortunately, most routers have no way of determining the importance of the packet at any given time. All the traffic is treated equally, so a packet containing 'urgent' command may be delayed.

The QoS feature implemented in **BEC's routers*** gives you the ability to control the bandwidth. Using *IP Throttling*, bandwidth limits can be enforced on any system within LAN, or on a

particular application. The *Prioritization* specifies which packet has the priority and should not be delayed, and/or which packet has lower priority and should be moved to the end of upload queues.

Taking Care of Business

In addition, **BEC's routers*** with QoS are also ideal for small businesses using an office server as a webserver. With *QoS control*, webpages served to your customers can be given top priority and delivered first, whilst still allowing email and office web browsing – at a speed which won't impede webserving.



BEC's Quality of Service (QoS) feature in **BEC's routers*** let you to control the traffic and manage bandwidth of sharing information over Internet either at home or in the office.

