



For Satellite based Internet Installations

StraightShaper 4000 Satellite



SmartShare StraightShaper 4000 Satellite

The SmartShare StraightShaper 4000 Satellite, designed for installations with Satellite based internet connections, is an easy to use WAN optimization appliance with advanced, bandwidth management capabilities. The SmartShare Dynamic QoS™ and User Load Balancing™ makes an intelligent bandwidth management that guarantees all users on the network an equal share of the available internet bandwidth. Users will experience trouble-free use of VoIP, SaaS, thin clients, cloud and centralized applications, while the ISP gets a more balanced backbone.

Dynamic WAN-Bandwidth Adaptation

Most Satellite based internet installations deal with a high variation in the available bandwidth, making bandwidth management very complex. SmartShare StraightShaper 4000 Satellite continually adapts to the available bandwidth of the satellite connection. It ensures all users a guaranteed and equal share of the available bandwidth at all times. This way you can utilize the satellite internet connection to the maximum, without compromising the quality of experience, of the clients/users on the network.

Automatic Bandwidth Management

SmartShare StraightShaper is based on years of experience in developing network equipment for business-critical environments. Utilizing the unique and patented User Load Balancing™ and Dynamic Quality of Service™ algorithms, the StraightShaper overcomes many of the problems of traditional QoS based appliances when it comes to installation, configuration and maintenance.

Dynamic QoS™ versus Traditional QoS

Traditional QoS solutions require manual setup and are based on a need to reserve bandwidth

according to expected use. This creates a number of disadvantages: Firstly, configuring a subscriber's network for specific QoS settings adds cost to the deployment. Secondly, reserved bandwidth is wasted when not in use. Thirdly, reserved bandwidth has a fixed size limit and can therefore be exceeded, resulting in a degradation of VoIP quality.

SmartShare's Dynamic QoS™ technology has none of these disadvantages. It processes all voice, video and data traffic dynamically on the basis of current needs, optimizing internet connection utilization, without the need to reserve bandwidth that may never be used. In this way, you can save internet costs while guaranteeing service quality and high user satisfaction

License Upgradeable

SmartShare StraightShaper systems' appliances come in 3 license sizes (small – medium – large). With the upgradeable licensing capability, you don't need to oversize a box for your installations, and you still have room to grow!



Typical deployment

Technical Specifications

Key Features

- Bandwidth Management
- User Load Balancing™
- Dynamic QoS™
- Deployment as transparent or router
- Peer-to-Peer User shaping
- Web Policy filter
- Real-time statistics and charts
- Health Monitor
- Latency and packet loss monitoring
- Traffic Logging (option)
- DMZ- and VLAN support

Additional Features in Router Mode

- NAT Router with public IP forwarding
- IP Router
- SPI Firewall
- DHCP Server/Relay
- Port forwarding
- DNS Server

VoIP Support Includes

- Skype for Business
- Skype
- SIP/SIPS
- RTP/SRTP
- H.323

Thin Client Support Includes

- Microsoft RDP
- Citrix ICA
- Teradici PCoIP

Management and Usability

- Plug and Play installation
- LCD status display
- Web-based user interface
- SNMPv1/2/2c
- SYSLOG and email alerts
- RESTful API
- Firmware upgradeable
- License upgradeable
- In-band or out-of-band management
- Management access levels (user, administrator)
- Reporting with company logo
- No maintenance requirements

Model Overview StraightShaper 4000

Capacity

IP Devices	500 - 20,000 depending on acquired licenses
Throughput	100+100 Mbit/s
Flows	2,000,000

Hardware

Chassis	1 U short depth
Dimensions (HxWxD) cm.	4.4 x 43 x 28
Dimensions (HxWxD) in.	1.7 x 17 x 11
Typical Power consumption	30-35 Watt when using 2-6 Ethernet ports

Ethernet

Ethernet Ports	LAN, WAN, Ext 1, Ext 2, Ext 3, Ext 4
Port Speed and Type	10/100/1000, RJ45

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Specifications subject to change without notice.

info@smartsharesystems.com