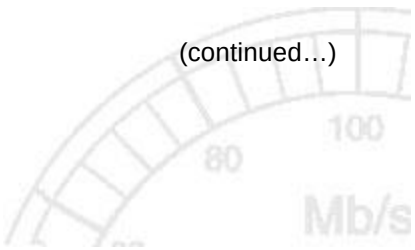
Capabilities At-a-Glance v2.2

FEATURES	BENEFITS
Intelligent IP Traffic Management ➢ Evaluates available bandwidth 100 times per second ➢ Shapes individual and aggregate traffic based on current condition, immediately and non-intrusively ➢ Shapes traffic for up to 50,000 managed objects - gateways, subnets, groups, and individual subscribers by IP address ➢ Enables a variety of allocation *schemes(guaranteed, preferred, equitable)* for distributing bandwidth across all subscribers during both normal and congested conditions ➢ Protects against aggressive users by allowing additional rate limits based on usage ➢ Manages inbound/outbound traffic separately at each network point ➢ Supports multi-homed and half-duplex networks ➢ Solutions available to manage bandwidth from 1 Kbps to 155 Mbps	➢ Eliminates the need to provision bandwidth to peak demands ➢ Greatly improves bandwidth utilization by allowing more subscribers to be added to the network without provisioning additional bandwidth ➢ Controls aggressive users and guarantees that no user is "starved" for bandwidth ➢ Minimizes network congestion, reduces packet loss, and eliminates congestion-related outages ➢ Guarantees the delivery of more consistent, reliable service to subscribers, improving customer satisfaction and reducing churn ➢ Enables providers to fulfill Service Level Agreements ➢ Enables the simplified management of multiple access services *(i.e., narrowband and broadband wireline, wireless, satellite, and cable)* from a single, easy-to-use graphical interface
Service Levels and Management ➢ Defines and manages unlimited service levels according to multiple configurable parameters ➢ Parameters include rate limits, access priorities, ➢ Time-of-day controls, and aggressive user controls	➢ Enables service providers to generate substantially more revenue from a wide range of innovative service levels without purchasing additional bandwidth ➢ Provides data on subscriber usage patterns for service up-sell opportunities ➢ Significantly reduces the time required to administer service levels manually through multiple interfaces
Performance Visibility ➢ Maintains a 24-hour moving window of performance data ➢ Displays real-time data down to the subscriber level for the latest 60 seconds, 60 minutes, and 24 hours ➢ Shows average and peak consumption and percentage of transfer time affected by congestion ➢ Stores statistics in an SQL database for historical analysis	➢ Provides new visibility into the network to improve service management ➢ Monitors in real-time who is consuming bandwidth, at what rate, and when ➢ Provides real-time 'Top 10' reports based on up-to-the-second performance criteria ➢ Provides historical reports to support capacity planning, timely provisioning, usage-based billing, and customer and technical services
Autodiscovery and Configuration ➢ Discovers network topology and displays it in a familiar tree structure ➢ Automatically discovers new subscribers, using the source or destination IP address, and places them in the appropriate location in the topology tree. ➢ Resolves subscriber names using DNS, RADIUS, or LDAP ➢ Intelligently assigns policies for governing autodiscovered points in the topology	➢ Simplifies and automates configuration and administration, reducing operational complexities ➢ In satellite and other one-way networks, enables Dyband to manage traffic destined to the subscriber without seeing both traffic directions. ➢ Allows fewer technicians to provision and maintain the network ➢ Virtually eliminates manual configuration ➢ Allows network managers to audit their customers' IP address space utilization

(continued…)



FEATURES	BENEFITS
Fault Tolerance ➢ Automatically transfers control to "hot" standby system upon hardware/software failure, with continuation of traffic shaping and statistical recording	➢ Protects against a single point of failure in the network ➢ Guarantees continuity of traffic shaping and archiving of performance data
Standards-based Management ➢ Provides access to essential operational status information via industry-standard network management protocol	➢ Provides compatibility with existing network platforms ➢ Works with existing OSS infrastructure; no need to buy additional network management platforms

For further information on Dyband, and how it can benefit your firm, contact us at
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