



## Internet Service Provider Technical Buyer's Value Proposition Dyband 2.1

Features	Benefits
<p><b>Intelligent IP Traffic Management</b></p> <ul style="list-style-type: none"> <li>Evaluates available bandwidth capacity 100 times per second</li> <li>Shapes individual or aggregate bandwidth usage based on traffic conditions, immediately and non-intrusively</li> <li>Shapes traffic for up to 50,000 managed objects—gateways, subnets, groups and individual subscribers—by IP address</li> <li>Enables a variety of allocation schemes (<i>guaranteed, preferred, equitable</i>) for distributing available bandwidth across all subscribers during both normal and congested conditions</li> <li>Protects against aggressive users by allowing additional rate limits based on usage</li> <li>Manages inbound/outbound traffic separately at each network point</li> <li>Supports multi-homed and half-duplex networks</li> </ul>	<ul style="list-style-type: none"> <li>Allows operators to add more subscribers to the network without provisioning additional bandwidth</li> <li>Prevents monopolization of bandwidth by aggressive users</li> <li>Minimizes network congestion, reduces packet loss, and eliminates congestion-related outages</li> <li>Enables operators to fulfill Service Level Agreements</li> <li>Allows operators to shape traffic and manage service levels across multiple transmission technologies—dial-up, DSL, wireless, cable, satellite, Ethernet—from a single, easy-to-use application</li> <li>In multi-homed networks, shapes traffic proportionally when main Internet backbone connection fails</li> </ul>
<p><b>Service Levels and Management</b></p> <ul style="list-style-type: none"> <li>Defines and manages unlimited service levels according to multiple configurable parameters</li> <li>Parameters include transfer rates, access priorities, time-of-day, and aggressive user controls</li> </ul>	<ul style="list-style-type: none"> <li>Allows operators to offer a range of innovative services levels at distinct price points</li> <li>Maximizes Internet connection usage and profitability</li> <li>Significantly reduces the personnel time required to provision service levels manually through multiple interfaces</li> </ul>
<p><b>Performance Visibility</b></p> <ul style="list-style-type: none"> <li>Maintains a 24-hour moving window of performance data</li> <li>Delivers statistics for the most recent: <ul style="list-style-type: none"> <li>60 one-second intervals</li> <li>60 one-minute intervals</li> <li>24 one-hour intervals</li> </ul> </li> <li>Shows average and peak consumption and percentage of transfer time affected by congestion</li> <li>Stores statistics in a SQL database for historical analysis</li> </ul>	<ul style="list-style-type: none"> <li>Provides new visibility into the network to improve service management</li> <li>Monitors in real-time who is consuming bandwidth, at what rate, and when</li> <li>Provides real-time subscriber reports based on up-to-the-second performance criteria</li> <li>Provides historical reports based on selected time intervals to support problem resolution, capacity planning, billing, and customer service</li> </ul>
<p><b>Autodiscovery and Configuration</b></p> <ul style="list-style-type: none"> <li>Discovers network topology and displays the hierarchical representation in a familiar tree structure</li> <li>Automatically discovers new subscribers and places them in the appropriate location in the topology tree</li> <li>Resolves subscriber names using DNS, RADIUS, or LDAP</li> <li>Allows auto-discovered subscribers to inherit predefined SLA profiles</li> </ul>	<ul style="list-style-type: none"> <li>Simplifies and automates configuration and administration, reducing operational complexities</li> <li>Allows fewer technicians to provision and maintain the network</li> <li>Virtually eliminates manual configuration</li> <li>Allows network managers to audit their customers' use of IP address space</li> </ul>
<p><b>Fault Tolerance</b></p> <ul style="list-style-type: none"> <li>Automatically transfers to "hot" stand-by system upon hardware/software failure, with continuation of traffic shaping and statistical recording</li> </ul>	<ul style="list-style-type: none"> <li>Protects against a single point of failure</li> <li>Guarantees traffic shaping and statistical recording continuity</li> </ul>
<p><b>Standards-based Management</b></p> <ul style="list-style-type: none"> <li>Provides access to essential operational status information via industry-standard network management protocol</li> </ul>	<ul style="list-style-type: none"> <li>Provides compatibility with existing network platforms</li> <li>Works with existing OSS infrastructure; no need to buy additional network management platforms</li> </ul>

<http://www.dyband.com>

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