

Dyband 2100 IPTM Capabilities At-a-Glance

FEATURES	BENEFITS
<p>Intelligent IP Traffic Management</p> <ul style="list-style-type: none"> ➤ Evaluates available bandwidth 100 times per second, regardless of traffic load or congestion ➤ 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 individuals -- by IP address ➤ Enables a variety of allocation schemes (<i>guaranteed, preferred, equitable</i>) for distributing bandwidth across all users during both normal and congested network 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 ➤ Manages traffic loads of 300 Mbps (per Dyband unit), using Gigabit Ethernet interfaces ➤ Works on multi-processor and single-processor systems 	<ul style="list-style-type: none"> ➤ Gives service providers <i>absolute</i> control of their bandwidth ➤ Eliminates the need to provision bandwidth to peak demands ➤ Greatly improves bandwidth utilization by allowing up to 25% 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 the simplified management of multiple access services (<i>i.e., narrowband and broadband wireline, wireless, satellite, and cable</i>) from a single, easy-to-use graphical interface ➤ Solutions available to manage bandwidth from 1 Kbps to 155 Mbps
<p>Service Levels and Management</p> <ul style="list-style-type: none"> ➤ Allows service providers to define and manage an unlimited number of service levels according to multiple configurable parameters, including rate limits, access priorities, time-of-day controls, and controls for aggressive users 	<ul style="list-style-type: none"> ➤ 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
<p>Performance Visibility</p> <ul style="list-style-type: none"> ➤ Maintains a 24-hour moving window of performance data ➤ Displays 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 Oracle or MS SQL database for historical analysis 	<ul style="list-style-type: none"> ➤ Provides new visibility into the network to improve service management ➤ Monitors in real-time who is consuming bandwidth, at what rate, and when ➤ Allows service providers to adjust the bandwidth usage of individuals and groups in real time ➤ Provides real-time usage 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



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<p>Autodiscovery and Configuration</p> <ul style="list-style-type: none"> ➤ Discovers network topology and displays it in a familiar tree structure ➤ Automatically discovers new subscribers and places them in the appropriate location in the topology tree. ➤ Supports the autodiscovery of managed network points via RADIUS, DHCP lease or IP address. ➤ Resolves subscriber names using DNS, RADIUS, or LDAP ➤ Intelligently assigns policies for governing autodiscovered points in the topology ➤ Allows user profiles and service tier settings to be distributed to an unlimited number of Dyband units 	<ul style="list-style-type: none"> ➤ Simplifies and automates configuration and administration, reducing operational complexities ➤ Allows fewer technicians to provision and maintain the network ➤ Virtually eliminates manual configuration ➤ Allows user profiles and service tier settings to be centrally managed within a large distributed network ➤ Enables network managers to audit their customers' IP address space utilization
<p>Fault Tolerance</p> <ul style="list-style-type: none"> ➤ Automatically transfers control to "hot" standby system upon a Dyband hardware/software failure 	<ul style="list-style-type: none"> ➤ Protects against a single point of failure in the network ➤ Guarantees uninterrupted traffic shaping and archiving of performance data ➤ Maintains preset profiles
<p>Standards-based Management</p> <ul style="list-style-type: none"> ➤ Provides access to essential operational status information via industry-standard network management protocol 	<ul style="list-style-type: none"> ➤ Provides compatibility with existing network platforms, including Linux and MS Windows ➤ 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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