

FatPipe WARP

Redundancy, Reliability, Speed & Bidirectional Load Balancing

MAKE YOUR WAN 300% MORE
REDUNDANT, RELIABLE AND FAST FOR
BIDIRECTIONAL IP TRAFFIC

FAT Pipe
WARP

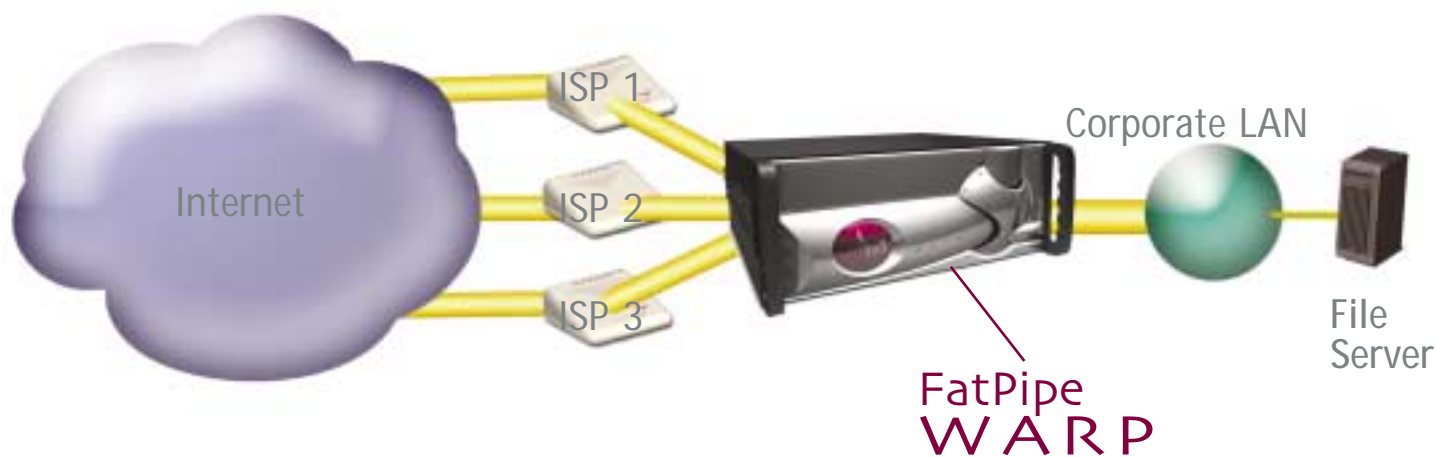
NEW! Fault
Tolerance for Remote
Users, Enhanced
Load Balancing
Methods, and Route
Control Tools

FatPipe WARP combines multiple WAN connections of any kind over multiple backbones and ISPs (or the same ISP with different POPs), to provide the world's highest level of reliability and redundancy for inbound and outbound IP traffic. Companies can host servers internally with a high degree of availability.

FatPipe WARP technology significantly enhances customers' ability to maintain the integrity of their Wide Area Networks (WAN). Features such as dynamic load balancing and intelligent, automatic failover capabilities substantially increase the efficiency of their WANs.

Advanced product features include SmartDNS, Policy Routing, and a new load balancing method, Fastest Route. SmartDNS is a patent pending technology from FatPipe that efficiently balances inbound load over multiple lines and will intelligently sense when a line is down and reroute IP packets to available lines when a failure occurs.

Policy routing gives administrators more control over their networks, allowing them to define how they would like data to be transmitted over their networks based on protocol, source and destination IP address, and/or source and destination port.



**REDUNDANCY, RELIABILITY, SPEED, AND
BIDIRECTIONAL LOAD BALANCING**

FatPipe WARP is a low cost solution for companies that require high levels of redundancy and availability for their WAN networks as well as companies looking for maximum bandwidth utilization. Companies that host internal servers that are accessed from outside their LANs, such as web, Citrix®, email and database servers, require robust and redundant WANs to keep their business running and to avoid revenue and productivity losses due to network downtime.

WARP provides the highest level of fault tolerance for WAN infrastructures, ensuring that inbound and outbound traffic reach their destination even when an ISP or WAN component fails.

YOU CAN NOT AFFORD TO GO DOWN

- Network outages and degradations are causing significant losses in productivity and revenue, ranging from less than 1/10th of 1% of total revenue to almost 1% (up to \$74.6 million per year). Infonetics Research, The Cost of Downtime, 2003; February 2003
- One third of U.S. businesses face the loss of critical data or operational capability in the wake of a disaster, unless investments toward disaster preparedness planning are made. Gartner Group; U.S. Firms Unprepared for Disasters; March 2003
- 2000 study of downtime at 85 large organizations (over 1,000 employees), found an average of over \$32 million in revenue and productivity losses. Infonetics Research, The Cost of Downtime, 2003; February 2003
- The growth of network complexity has produced many more potential points of degradation and failure. Infonetics Research, The Cost of Downtime, 2003; February 2003

- Provides highly reliable and redundant access to internal servers including Citrix®, web, SCM, CRM, database and e-mail servers.
- **SmartDNS:** FatPipe's patent-pending technology intelligently balances the load across all available lines for inbound IP traffic resulting in efficient delivery of information.
- **Reverse Mapping:** Allows companies to conserve IP addresses and direct application traffic to specific servers.
- Bonds multiple connections of similar or dissimilar speeds without BGP programming.
- Fully supports Simple Network Management Protocol (SNMP) MIB-II.
- Supports multi-homing connections over multiple lines without ISP cooperation or expensive routers with programming capabilities.
- **Enhanced Route Control Tools:** WARP's improved routing options give Administrators greater control over IP traffic delivery, allowing them to define routing criteria based on application and provider.
- **Proxy ARP** feature allows administrators to integrate WARP into their network without having to change gateway IP addresses on client computers, saving time and money.
- An automatic unit failover option is available to customers that want a standby unit to backup the active WARP unit.

WITH FATPIPE WARP	WITHOUT FATPIPE WARP
<ul style="list-style-type: none"> • No BGP programming • Highest redundancy and reliability • Efficient delivery of IP packets using SmartDNS for inbound traffic • Conserve IP addresses with Reverse Mapping feature • Browser-based management tools and access controls • Emergency e-mail and paging alerts • Standard features include auto failover, dynamic load balancing and Policy Routing 	<ul style="list-style-type: none"> • BGP programming required • No protection from ISP, backbone, router or line failure • No load balancing for inbound IP traffic • May have to purchase additional IP addresses • Cannot monitor speed of routers from remote locations; on site personnel needed to implement changes • Need to purchase additional software • No failover and/or load balancing options

WARP

FatPipe WARP aggregates up to three T3s (higher speeds available) over multiple ISPs and backbones or the same ISP with different POPs for the highest level of redundancy, reliability and speed of inbound and outbound Internet traffic over a Wide Area Network. WARP is perfect for mid-size ASPs, ISPs, and corporations that want redundant access to internal servers.

50/155 Mbps

Higher speeds available upon request



LOAD BALANCING

- Round Robin
- On Failure
- Response Time
- Policy Routing
- Fastest Route

MANAGEMENT

- Java interface
- Network configuration
- Emergency paging and e-mail alerts
- Automatic failover
- Speed Chart and Speed Meter
- SNMP Ready

SECURITY

- Inherent NAT-based Firewall
- Reverse Mapping

WARRANTY

- 1 year full hardware warranty
- Includes 90 days of free technical support

DIMENSIONS

- 7"Hx19"Wx17.8"D (per unit) 4U Industry standard rack-mount chassis
- High cooling, high reliability industrial design

WEIGHT

- 43 lbs (per unit)

NETWORK INTERFACE

- Four 10/100 BASE Fast Ethernet
- Fast Ethernet Fiber and Gigabit Ethernet available
- Additional WAN ports available



FatPipe Networks

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