

EGS Pro Dual

Overview

The EGS Pro Dual is the latest addition to EthoStream's line of high-speed Internet access (HSIA) gateway products. It is a perfect solution to increase the aggregate bandwidth available to hotel guests, to provide redundancy in case of an ISP failure or outage, or both.

Targeted to large, full-service hotels, timeshares and government facilities, the EGS Pro Dual completely eliminates network downtime with its unique dual wide area network (WAN) interface architecture. In a class of its own, it provides an array of features not available in other hospitality gateways, including redundancy, scalability and load-balancing.

Redundancy

The EGS Pro Dual is the first hospitality gateway to incorporate the ability to accept two wide area network (WAN) connections, rather than just one. If your cable or DSL connection fails, EGS Pro Dual will automatically and nearly instantly re-route all guest traffic through the functioning WAN connection so that your guests may continue to enjoy uninterrupted Internet access while the problem is resolved. With this redundancy feature, you are not dependent on one individual Internet Service Provider (ISP).

Scalability

The EGS Pro Dual enables you to combine inexpensive WAN technologies, such as cable or DSL connections, and offer their combined bandwidth to guests. For example, with a 3.5Mbps cable modem and a 1.5Mbps DSL line, you can provide a combined 5 Mbps of bandwidth to your guests at a fraction of the cost of a single connection at that same speed.

Load-Balancing

In addition to the scalability feature, the EGS Pro Dual can also provide load-balancing into its network management

abilities, ensuring that all bandwidth is being utilized to its maximum potential by evenly distributing all the data across both connections. As an example, rather than one 6 Mbps connection supporting 300 users, one 6 Mbps connection can support 150 users and the other 6 Mbps connection can support the remaining 150 users. In doing so, no true latency is experienced, as the load is evenly distributed across both connections.

Remote Management Console Integration

The EGS Pro Dual is directly integrated into EthoStream's Remote Management Console (RMC), enabling centralized management, monitoring and reporting. This industry-leading integration enables customers to view, in real-time, the connectivity status of each individual WAN connection, the connection history, the amount of traffic passed over each individual connection and several other features and abilities. The RMC integration provides true transparency, as customers can review their ROI on their EGS Pro Dual purchase on a regular basis.

The EthoStream Support Center constantly monitors each WAN connection proactively, ensuring that Internet connectivity may be restored following an ISP outage before adversely impacting hotels guests.

EGS Pro Dual Features

Dual WAN Features

- Accepts any combination of WAN connections (T1, DSL, cable modem, etc.)
- Automatic load-balancing across WAN connections
- Supports unbalanced connections (e.g. 1.5 Mbps T1, 384 kbps DSL)
- Automatic failover to WAN1/WAN2 in case of WAN2/WAN1 failure



The EGS Pro Dual is the first gateway with the ability to accept two wide area network (WAN) connections.

EGS Pro Dual Benefits

- Provides redundancy in case of an ISP failure
- Completely eliminates network downtime
- Automatically re-routes all guest traffic when cable or DSL connection fails
- Eliminates dependency on one individual Internet Service Provider
- Increases the aggregate bandwidth available for faster overall speed
- Enables inexpensive WAN technologies to be combined to offer their aggregate bandwidth
- Utilizes bandwidth to its maximum potential with load balancing
- Integrates into EthoStream's Remote Management Console for centralized management, monitoring and reporting

- "1-1 NAT" allows available static IP's to be used behind the EGS Pro Dual
- Office VPN server
- Mail gateway
- "2-1 NAT" allows guests to check out a static IP address on each WAN
- Useful for legacy VPN clients
- Still realize the benefit of EGS Pro Dual in case of WAN failure

In addition to dual WAN capabilities, the EGS Pro Dual users will continue to enjoy the features present in other Ethostream gateways, including the following.

Advanced Bandwidth Management

- Guarantees bandwidth to LAN interfaces (conference rooms, back office)
- Restricts or denies bandwidth-intensive peer-to-peer (P2P) usage
- Enables users to purchase prioritized bandwidth
- Blocks abusive users
- "Penalty Box" for problem users generating abusive network traffic

Device Monitoring

- Views the status and history of all devices (AP's, switches, etc) on your network
- Accesses, manages, and reboots devices remotely

Technical Specifications

Public Access

- Universal Network Address Translation (allow any guest IP config)
- Automatic Redirection to Portal Page (pre-authentication)
- SMTP Redirection
- Radius Authenticator
- Advanced Bandwidth Management

Ports

- 2 - 10/100Base-T Ethernet, RJ-45 (WAN)
- 2 - 10/100/1000Base-T Ethernet, RJ-45 (LAN)
- 1 - DB-9 RS-232 connector (console access)
- 2 - USB

Networking

- 802.3i / 802.3u / 802.3x / 802.3ab
- 802.1d Bridging Support
- 802.1q VLAN Support
- Multiple subnets
- DHCP Server/Client
- PPPoE Client

Authentication Options

- Remote Database / MAC based authentication
- RADIUS UAM (web-based, SSL)
- lpass
- Credit Card
- Open Access (no authentication required)
- Supports different methods on a per-interface basis

Management

- Remote administration via web-based RMC
- Integrated SSL VPN for secure connection to NOC
- Automatic updates

Watchdog

- Software programmable, 1-60 seconds
- Automatic reboot upon watchdog timer timeout

Power

- Internal 85W Switching Power Supply
- Input Range 110V AC, 60Hz ~ 230V AC, 50Hz

Dimensions

- 17.32" x 8.26" x 1.73" (1U Rack Mount)

Operating Temp

- 0° to 45° C
- 0-95% Humidity (non-condensing)

Storage Temp

- -20° to 80° C

Certification

- CE
- FCC Class A

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