

GB-800 Firewall Appliance

Features

- Three 10/100 Ethernet ports
- ICSA-certified GB-OS
- User authentication
- DHCP client and server
- DNS proxy and server
- Secure email proxy (SMTP)
- SNMP
- PPP/PPPoE/PPTP
- Local content list (LCL) filtering
- Secure remote management
- Stateful packet inspection
- Time-based policies
- Transparent NAT (network address translation)
- One RS-232 serial console interface

Optional Features

- Mail Sentinel™ Anti-Spam email filtering
- Mail Sentinel™ Anti-Virus email filtering
- Surf Sentinel® web content filtering
- H₂A High Availability
- Additional mobile VPN client licenses
- Support contracts

Feature Specifications

Feature	50 Users	Unrestricted
• Mobile VPN client licenses	1	1
• Concurrent connections	20,000	128,000
• PPP configurations	5	5
• IP aliases	50	50
• IP pass-through hosts	100	100
• Policies (each kind)	200	200
• Tunnels	100	100
• Address objects	150	150
• Alias maps	100	100
• Static routes	100	100
• Time groups	100	100
• Access control lists (ACL)	100	100
• Local content list (LCL) filters	75	75
• Protocols	255	255
• VPN security associations	50	50
• VPN users (max non-concurrent)	300	300
• Mobile VPN users (max concurrent)	25	25
• VLANs	100	100

Supported Software

- GTA Reporting Suite™ (firewall log reporting)
- GB Commander® (firewall management)

Hardware Specifications

<i>Dimensions</i>	11.02" x 9.06" x 1.73" (28 cm x 23 cm x 4.4 cm)
<i>Weight</i>	4.41 lbs (2 kg)

Power Specifications

MTBF (Mean Time Between Failure) Minimum: 300,000 hrs.

<i>Input Voltage</i>	100-240 VAC
<i>Input Frequency</i>	47-63 Hz

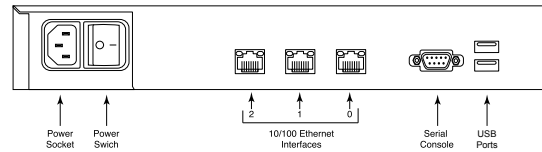
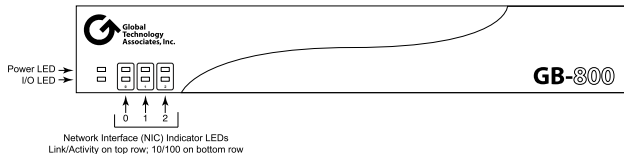
Operational Specifications

<i>Temperature</i>	41° to 104° F (5° to 40° C)
<i>Relative Humidity</i>	20% to 90%, non-condensing

Memory and CPU Specifications

<i>CPU</i>	800 MHz VIA C3
<i>Memory</i>	256 MB
<i>Flash Memory</i>	512 MB Type 1 Compact Flash





Hardware Design

The GB-800 chassis is a 1 RU rack-mount unit. It has three high speed 10/100 Mbps Ethernet interfaces to ensure high performance and network design flexibility, and one RS-232 serial interface to provide access for a serial console and a dial-up modem/ISDN TA. Flash memory stores and runs the pre-installed GB-OS.

Caution

At least 6" should be provided behind the system to allow efficient cooling. Inadequate clearance can cause the system to overheat.

Warning

There are no user serviceable parts in the GB-800. Opening the unit will void the warranty on the system, and may cause injury.

I/O Interface Specifications

- Three (3) 10/100 Mbps Ethernet 10Base-T network interfaces on UTP Cat. 3, 4 and 5, and fast Ethernet 100Base-TX network interfaces on UTP Cat. 5. NIC 0 is factory set to IP address 192.168.71.254 .
- One (1) RS-232 (DB-9) serial interface
The serial console / modem port should be set to 38,400 bps, 8 bit, 1 stop, no parity and flow control to hardware.

LED Status Indicators

Front Panel LEDs

<i>Power LED</i>	When the firewall is powered up, the green Power LED on the top left side of the front panel will be lit.
<i>I/O LED</i>	When the flash memory is being accessed, the red LED will flash.
<i>Link/Activity LED</i>	The green LED will light up when the Ethernet interface has established a good connection. When the Ethernet interface has connected and there is activity, the LED will flash.
<i>10/100 LED</i>	The green LED will light up when the Ethernet interface has established a 100 Mbps connection. When the Ethernet interface has established a 10 Mbps connection, the LED will not light.

Back Panel LEDs

<i>Link/Activity LED</i>	The green LED will light up when the Ethernet interface has established a good connection. When the Ethernet interface has connected and there is activity, the LED will flash.
<i>10/100 LED</i>	The green LED will light up when the Ethernet interface has established a 100 Mbps connection. When the Ethernet interface has established a 10 Mbps connection, the LED will not light.