GB-250 Firewall Appliance

10 User Version

Features

- three 10/100 Ethernet ports
- ICSA-certified GNAT Box System Software
- 10 concurrent users (upgradeable to 50)
- user authentication
- DHCP server
- secure email proxy (SMTP)
- SNMP
- PPP / PPPoE / PPTP
- local content list (LCL) filtering
- secure remote management
- stateful packet inspection
- time-based filters
- transparent NAT (network address translation)
- RS-232 serial console interface

Optional Features

- Mail Sentinel™ Anti-Virus email filtering
- Mail Sentinel™ Anti-Spam email filtering
- Surf Sentinel® web content filtering
- VPN option with 1 mobile VPN client
- additional mobile VPN client licenses
- support contracts

Feature Specifications

• concurrent connections	2,500
• PPP configurations	5
• IP aliases	5
• IP pass-through hosts	10
• filters (each kind)	75
• tunnels	25
• address objects	50
• IP alias maps	25
• static routes	10
• time groups	75
• access control lists (ACL)	10
• local content list (LCL) filters	25
• protocols	255

Supported Software

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

Hardware Specifications

Dimensions	6.5” x 6.5” x 1” (165mm x 165mm x 21 mm)
Weight	1.53 lbs. (0.694 kg)

Power Specifications

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

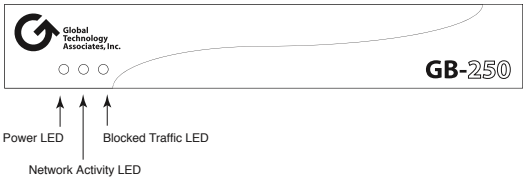
Location	*Input Voltage*	*Input Frequency*	*Output Voltage*
Australia	240 VAC	50 Hz	12 VDC
Europe	230 VAC	50 Hz	12 VDC
Japan	100 VAC	50-60 Hz	12 VDC
USA	120 VAC	60 Hz	12 VDC
UK	230 VAC	50 Hz	12 VDC

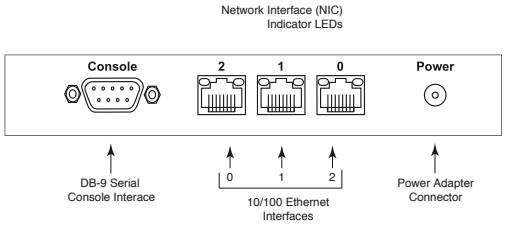
Operational Specifications

Temperature	32° to 122° F (0° to 50° C)
Relative Humidity	20% to 90%, non-condensing
Elevation	0 to 10,000 ft. (0 to 3,048 m)

Memory and CPU Specifications

CPU	266 MHz GEODE (National Semiconductor SC1100)
Memory	128 MB SDRAM
Flash Memory	256 MB Type 1 Compact Flash





Hardware Design

The GB-250 chassis is a small desktop unit designed to minimize heat buildup without cooling fans. It has three high speed 10/100 Mbps Ethernet interfaces to ensure high performance and network design flexibility, and one multifunction DB-9 serial interface to provide access for a serial console or a dial-up modem/ISDN TA. Flash memory stores and runs the pre-installed GNAT Box System Software. Power is supplied by an external power adapter.

Caution

At least 3" should be provided above the system to allow efficient cooling. Inadequate clearance can cause the system to overheat.

Warning

There are no user serviceable parts in the GB-250. Opening the unit will void the warranty on the system, and may cause injury.

System Clock

Firewall logs record events and schedule time groups by current time. To ensure that the most accurate time is used, your GB-250 will need to poll a network time (NTP) server. To enter which network time servers you would like to use, access your firewall's web interface, click SERVICES to expand the menu, then NETWORK TIME SERVICES. Check the ENABLE box, enter the domain name of a network time server (e.g. time.apple.com), then click the SAVE and OK buttons. Because boot occurs before NTP synchronization, the GB-250 will have the following log message with a January 1, 2000 UTC date:

Jan 1 00:00:40 pri=5 msg="GNAT Box system active" type=mgmt

Note

Some network time servers require administrator permission for use. Read the server's usage policy before selecting a network time server.

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

Power LED	When the firewall is powered up, the green Power LED on the left side of the front panel will be lit.
Activity LED	When data is being transmitted or received, the green Activity LED will flash. When there is no activity on the link, the LED will not light.
Blocked Traffic LED	The green Blocked Traffic LED will light up when the firewall has blocked network traffic.

Back Panel LEDs

10/100 Link LED	The LED on the left side of each interface indicates that the unit is linked, green for 100 Mbps and yellow for 10 Mbps connections.
Activity LED	When data is being transmitted or received, the green Activity LED on the right of each interface will flash for lower level activity and turn solid for higher levels. When there is no activity, the LED will not light.