

# GB-250 Firewall Appliance

25 User Version

## Features

- three 10/100 Ethernet ports
- ICSA-certified GNAT Box System Software
- 25 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
- additional mobile VPN client licenses
- support contracts

## Feature Specifications

- concurrent connections 5,000
- VPN mobile client licenses 1
- 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

<i>Dimensions</i>	6.5" x 6.5" x 1" (165mm x 165mm x 21 mm)
<i>Weight</i>	1.53 lbs. (0.694 kg)

## Power Specifications

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

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

## Operational Specifications

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

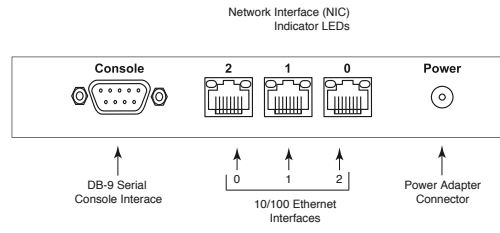
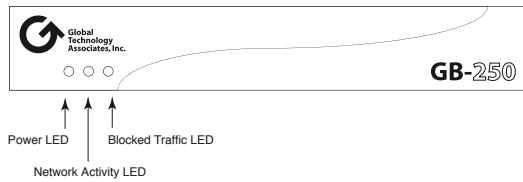
## Memory and CPU Specifications

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



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**Hardware Specification**



## 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

<i>Power LED</i>	When the firewall is powered up, the green Power LED on the left side of the front panel will be lit.
<i>Activity LED</i>	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.
<i>Blocked Traffic LED</i>	The green Blocked Traffic LED will light up when the firewall has blocked network traffic.

### Back Panel LEDs

<i>10/100 Link LED</i>	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.
<i>Activity LED</i>	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.

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