

# GB-500 Firewall Appliance

50 User Version

## Features

- three 10/100 Ethernet ports
- ICSA-certified GNAT Box System Software
- 50 concurrent users (upgradeable to unrestricted)
- 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 filters
- transparent NAT (network address translation)
- two RS-232 serial console interfaces

## Optional Features

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

## Feature Specifications

|                                    |        |
|------------------------------------|--------|
| • mobile VPN client licenses       | 1      |
| • concurrent connections           | 10,000 |
| • PPP configurations               | 5      |
| • IP aliases                       | 25     |
| • IP pass-through hosts            | 50     |
| • filters (each kind)              | 200    |
| • tunnels                          | 50     |
| • address objects                  | 150    |
| • alias maps                       | 50     |
| • static routes                    | 50     |
| • time groups                      | 100    |
| • access control lists (ACL)       | 50     |
| • local content list (LCL) filters | 75     |
| • protocols                        | 255    |

## Supported Software

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

## Hardware Specifications

|                   |   |
|-------------------|---|
| <i>Dimensions</i> | 1.75" x 10.5" x 9"<br>(4.45 cm x 26.67 cm x 22.86 cm) |
| <i>Weight</i>     | 4 lbs. (1.814 kg)                                     |

## Operational Specifications

|                          |                                |
|--------------------------|--------------------------------|
| <i>Temperature</i>       | 32° to 140° F (0° to 60° C)    |
| <i>Relative Humidity</i> | 10% to 90%, non-condensing     |
| <i>Elevation</i>         | 0 to 10,000 ft. (0 to 3,048 m) |

## 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                |

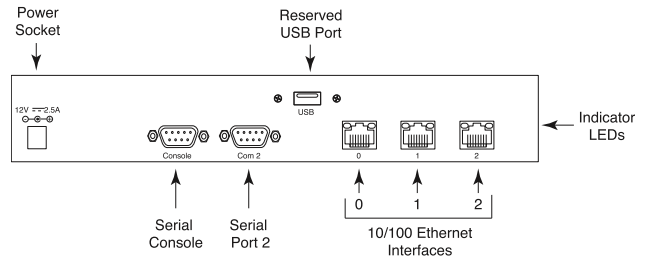
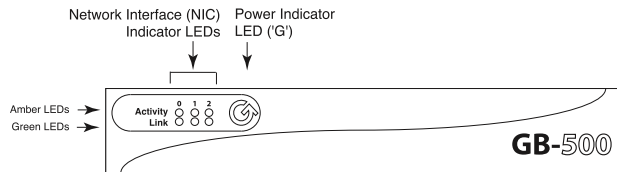
## Memory and CPU Specifications

|                     |                            |
|---------------------|----------------------------|
| <i>CPU</i>          | 600 MHz VIA C3             |
| <i>Memory</i>       | 128 MB SDRAM               |
| <i>Flash Memory</i> | 64 MB Type 1 Compact Flash |



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**Hardware Specification**



## Hardware Design

The GB-500 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 two RS-232 serial interfaces to provide access for a serial console and 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-500. 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 .
- Two (2) RS-232 (DB-9) serial interfaces  
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 red Power LED (GTA logo) on the left side of the front panel will be lit.                                |
| <i>Activity LED</i> | When data is being transmitted or received, the amber Activity LED will flash. When there is no activity on the link, the LED will not light. |
| <i>Link LED</i>     | The green Link LED will light up when the Ethernet interface has established a good connection.   |

### Back Panel LEDs

|                     |   |
|---------------------|---|
| <i>Activity LED</i> | The LED on the left side of each interface indicates activity. It will blink green when data is transmitted or received.                      |
| <i>Link LED</i>     | The LED on the right side of each interface indicates connectivity. Amber illumination indicates that a good connection has been established. |

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