



## GLR3000 Bridge/Router

The GLR3000 series is GL's entry level bridge/router for DS3/E3, BGP, and demanding Ethernet applications. The GLR3000 is guaranteed to route two DS3/E3 circuits or 100 Mb Ethernet at wire speed.\*

The GLR3000 is a 1U 19-inch steel rackmount chassis with Intel CPU, high-performance memory, six 10/100/1000 Ethernet ports, flash storage, and two PCI expansion slots. Each PCI slot accepts Industrial Series network cards with Ethernet, sync serial, T1/E1, DS3/E3, analog FXO/FXS, BRI, PRI, and 56K dial-up interfaces. With these add-on cards, the GLR3000 can connect different data and voice networks using a wide range of communications standards.

The GLR3000 takes advantage of the GL Linux™ bridge/router distribution, which provides support for NAT firewall, VPNs, Quality of Service (QoS), VLANs, VRRP failover, dynamic routing, packet filtering,

bridging, peer-to-peer traffic control, lawful intercept, VoIP gateway, Web filtering with Netsweeper, and more. The distribution also leverages GL's powerful and scalable Inetics™ driver component architecture.

Inetics supports WAN protocols including PPP, Cisco HDLC, frame relay, and ATM. Inetics includes SoftCell™ ATM & IMA, which supports best-in-class T1/E1 solutions that run Any Port, Any Protocol.™ Inetics even simplifies troubleshooting for LAN and WAN connections with real-time port status and performance monitoring.

The GLR3000 can be used as an Internet gateway, and in the network core or edge. It delivers superior performance and reliability in a low-profile package that works where most Cisco 2800, 3800, and 7200 bridge/routers are used. The GLR3000 is GL's lowest cost bridge/router for high-speed multi-homed networks, and it is ideal for

### Highlights

- Lowest cost DS3/E3 bridge/router
- Replaces Cisco 2800, 3800, & 7200
- Six 10/100/1000 Ethernet ports
- Routes 2 DS3/E3 ports at wire speed\*
- Routes 100 Mb Ethernet at line rate\*
- 31-day performance guarantee
- 1 year warranty on parts and labor
- Free 24/7 support for 1 year
- Free software upgrades for life
- VoIP gateway & SoftPBX
- PowerCode™ OSS ready
- Runs on Linux®

### Best Support

The GLR3000 bridge/router includes a full year of free 24/7 technical support. When you consider total cost of ownership, GL bridge/routers cost less up front and over time.

### Guaranteed Performance

Our 31-day performance guarantee ensures your bridge/router will function as promised. If your GL bridge/router does not work as specified in writing, and our support team cannot correct the problem, you can return your bridge/router for a full refund of the purchase price. See our web site for details.



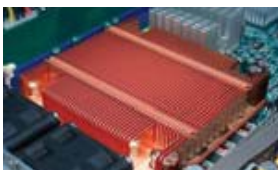
#### Low Profile

The GLR3000 features a low-profile 1U rackmount chassis.



#### Well Connected

The GLR3000 has six front panel 10/100/1000 Ethernet ports, each with its own PCI Ex-



#### Cool Power

High-performance cooling fans and a copper sink provide ample cooling under demanding conditions.

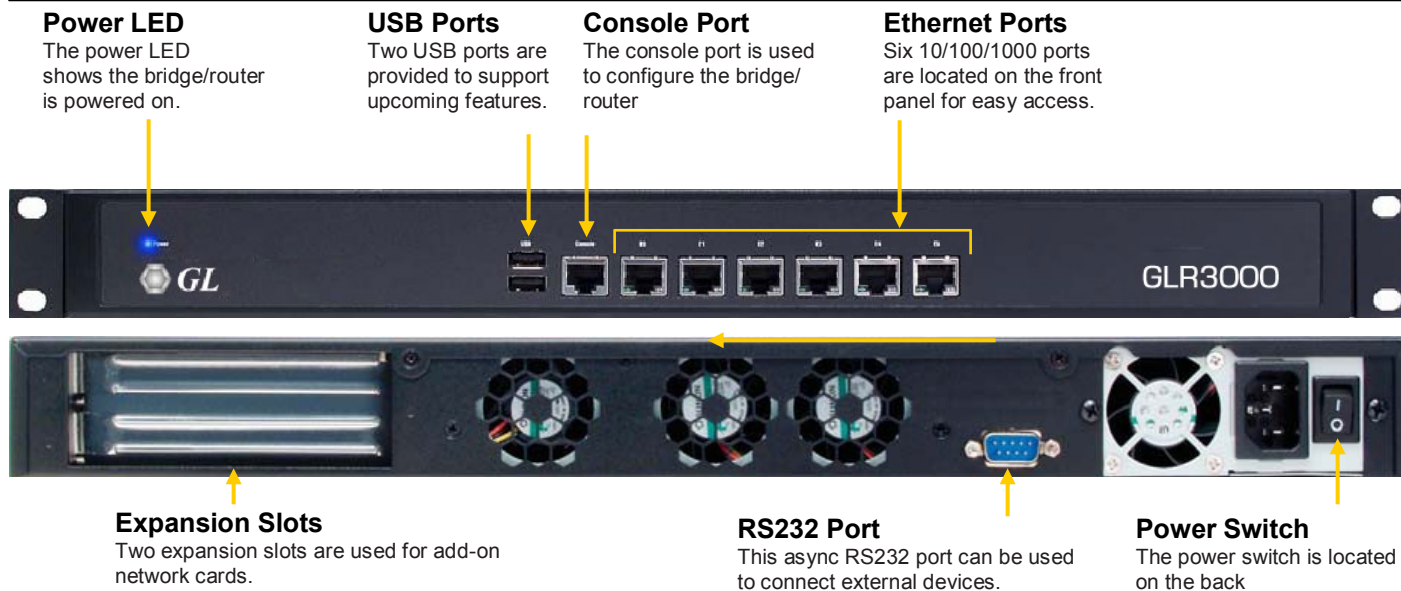


#### Room to Grow

Two expansion slots support up to 12 additional 10/100 Ethernet ports or 16 T1/E1 ports.



# GLR3000 Bridge/Router



## GLR3000 SPECIFICATIONS

Chassis: Steel 1U 19" rackmount  
 Processor: 2 GHz Intel P4  
 Memory: 256 MB DDR2  
 Storage: 128 MB flash  
 Network Ports: Six GigE UTP  
 Management Port: Serial console

### Performance

\*GL Linux 4.4 or higher  
 500,000+ PPS base CPU  
 1,000,000+ PPS with CPU upgrade

### Expansion Interface

(2) 32-bit 33 MHz PCI slots

### Power Supply

Design: PFC  
 AC Mains Voltage: 100 to 240 VAC  
 AC Mains Frequency: 50 to 60 Hz  
 Power Output: 250 W

### Dimensions

Height: 1.75 inches (44 mm)  
 Width: 19 inches (483 mm)  
 Depth: 15.25 inches (387 mm)  
 Weight: 13 lbs. (5.9 kg)  
 Shipping Weight: 18.4 lbs. (8.3 kg)

### Model Numbers

GLR3100 – Base system (Two Ethernet ports)  
 GLR3200 – Base system with 1-port T1/E1  
 GLR3300 – Base system with 2-port T1/E1  
 GLR3400 – Base system with 4-port T1/E1  
 GLR3500 – Base system with dual DS3

### Memory Options

512 MB, 1 GB, 2 GB or 4 GB

### LAN Card Options

1, 2, and 4-port gigabit Ethernet

### WAN Card Options

2-port DS3/E3  
 2 and 4-port T1 or E1  
[Contact for details](#) for following options:

1-port DS3/E3  
 1, 2-port HSSI  
 1-port T1 or E1  
 1-port ATM DS3/E3  
 1-port channelized DS3  
 1-port basic rate ISDN (BRI)  
 1-port 56 K modem  
 1, 2, 4 and 8-port serial  
 8-port T1 or E1

### Voice Card Options

([Contact for details](#))  
 1 to 4-port FXO/FXS  
 1, 2 & 4-port ISDN BRI  
 1, 2 & 4-port T1/E1 PRI

### Power Supply Option

–48 V DC

### Software

- GL Linux™
- High-performance kernel
- Scalable Inetics™ platform
- Menu-driven configuration
- PowerCode™ BMU function
- VoIP gateway & SoftPBX
- Web caching
- Web filtering with Netsweeper
- Intrusion detection & prevention
- On-line & off-line upgrades
- Local and remote logging
- Real-time monitoring
- Quality of Service (QoS)
- Bandwidth limiting
- Packet filtering

- Port forwarding
- Packet processing by PVC or DLCI
- Peer-to-peer traffic control
- System scheduler
- PPP, Cisco HDLC, and frame relay
- MLPPP & MLFR
- Multilink DSL aggregation
- PPPoE & PPPoA client & server
- SoftCell™ ATM & IMA
- CEF-compatible bonder
- RIP, OSPF, IS-IS & BGP
- SNMP or NetFlow® accounting
- NAT firewall (1:1 & 1:many)
- NTP clock synchronization
- T1/E1 drop & insert
- LAN and WAN bridging
- Concurrent bridging & routing
- Secure telnet (ssh v.2)
- L2TP tunneling (LNS & LAC)
- GRE, IPIP & CIPE tunneling
- Remote RADIUS
- TACACS+
- DHCP client & server
- IPsec & SSL VPNs
- VRRP router failover
- Lawful intercept

Model	Description
GLR3500	3000 Series Router + Dual DS3 Ports with PacketProbe™
GLR3501	3000 Series Router + Dual DS3 Ports
GLR3XXX	3000 Series Router + Optional WAN Interfaces

\* See [GL Routers](#) Web site for details on wire-speed specs. Terms and specs are subject to change without notice.

