DataSheet_FBR-2000

2-WAN Broadband Router

LevelOne's FBR-2000 has dual WAN ports that allow you to provide network connectivity and ultimate redundancy. This device can simutaneouly connect two broadband Internet connections of different type of WAN lines with your LAN. The FBR-2000's two WAN ports provide significantly increased bandwidth through our outbound Load Balancing feature. This equipment also provides network backup solution via its automatic fail-over function.

FBR-2000 offers firewall capabilities including NAT, SPI, DoS attack protection, access control by single or Group with different access authorization, packet filter and URL & Component blocking features. In addition, the embedded DES & 3DES IPSec and 256-bit AES encrytion hardware accelerator ensures state-of-the-art VPN performance and robust security, with over 200 VPN tunnels permitted concurrently.

The dual WAN port can achieve outbound load balancing accroding to your requirement. You can set the algorithm by Round Robin, Weighted Round Robin, Traffic, Application, Session, Service and User to increase bandwidth. The MRTG & Policy statistics can dynamicly detect traffic loading for you efficiently to arrange the available bandwidth.

The virtual server and dedicated DMZ port allow you to protect your server in the Intranet while providing specified services to the Internet user by public IP. The built-in DHCP server eliminates the need to configure each IP address manually. The system can be configured and monitored by IT manager with Web-based management interface, SNMP and E-mail alert. In order to keep up with future technology, software download and upgrades are easily done via network with our built-in TFTP.
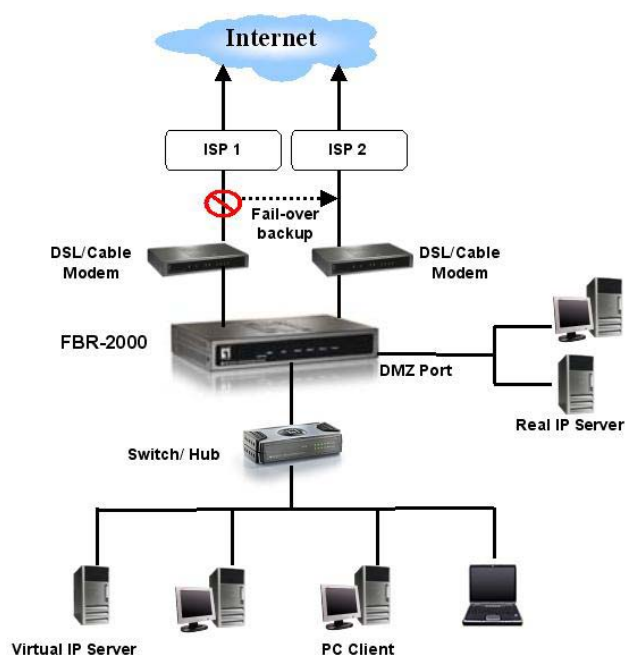
FBR-2000

Key Features

- 2 WAN ports for outbound load balancing and fail over connections
- Dedicate 1 DMZ connection
- Built-in IPSec and PPTP VPN (VPN Router)
- Smart NAT (Routing by Optimal Path)/ Multiple NAT

- Full Firewall Functions
- VPN Connection Tunnels（IPSec）：250
- Hardware-based DES & 3DES IPSec and 256-bit AES encryption
- Built-in Web server for web-based configuration
- Remote software upgrade through TFTP

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Technical Specification

- **Network Interface**
  1 x 10/100Mbps TX RJ-45 LAN port Auto-MDIX
  2 x 10/100Mbps RJ-45 WAN port Auto-MDIX
  1 x 10/100Mbps DMZ port Auto-MDIX

- **CPU**
  Intel® IXP425 400MHz

- **Memory**
  8MB Flash Memory
  64MB SDRAM

- **Firewall Security**
  Transparent Mode
  Smart NAT & Multiple NAT
  Packet Filter
  URL & Component Blocking
  Access Control by single or group
  Time Schedule Management
  Stateful Packet Inspection (SPI)
  DoS Attack detected item select
  DoS Attack alert (Email & Log)

- **Network Attack Protections**
  SYN/ ICMP/UDP Flood Threshold
  Ping of Death
  Tear Drop
  Land Attack

- **VPN Features**
  Site-to-Site/ Client-to-Site
  56-bit (DES) & 168-bit (3DEX)
  PPTP Server/ Client & GRE/ IPSec
  256-bit AES
  Concurrent VPN tunnels: over 200 Channels
  Key management: manual and automated
  Authentication: MD5 and SHA-1
  Keep Alive

- **Performance**
  Concurrent Sessions: 45,000
  VPN Tunnels: 250
  Policy: 360

- **Outbound Load Balancing Policy**
  Round Robin
  By Application/ Port/ Session/ User/ Traffic
  Auto Mode

- **Log**
  System/ Incoming/ Outgoing/ Intruder Log

- **Statistic**
  Packet Statistic
  MRTG
  Accounting Report

- **Application**
  DDNS & DNA Proxy
  Virtual Server
  Special Internet Application
  Multi-Servers Load Balancing
  Multi-DMZ host (Mapped IP)
  Dial-on-Demand, Auto-Disconnect & Reconnect
  Authentication w/ PAP & CHAP for PPPoE

- **Firmware Upgrade**
  Web Interface

- **LEDs**
  1 x Power/ 1 x Status/ 1 x LAN/ 2 x WAN/ 1 x DMZ Port

- **Power Supply**
  5V/2.5A, external power

- **Temperature**
  Operating: 0℃~60℃ (℉ ~ 122℉)

- **Humidity**
  Operating: 5% ~ 95% (non-condensing)

- **Dimension**
  220mm(W) * 150mm(D) *5mm(H)

- **Weight**
  885 g

- **EMI and Safety**
  FCC Part 15, CE

Product Diagram

Ordering Information

- FBR-2000:2-WAN Broadband Router

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