ADSL2+ Modem Router_ 1W, 4L

Product Overview
The LevelOne **FBR-1461** ADSL Router is an ADSL2+ router designed for home and office use that allows for faster connection speeds of up to 24Mbps.

This user-friendly router uses Easy Sign-On (EZSO) technology for easy ADSL connection set-up by using a standard web browser like Internet Explorer. It supports all operating systems eliminating the need for separate routers for Windows and Apple platform machines to connect to the Internet. It also has a Quality of Service (QoS) feature that ensures efficient inbound and outbound data flow as well as robust firewall security features like SPI, DoS attach prevention and URL content filtering.

Speedy Internet Access
The **FBR-1461** router is ADSL/ADSL2 and ADSL2+ compliant with downstream speeds of up to 24Mbps. The new high-speed ADSL2+ standard allows for better broadband access to online gaming, video streaming and real-time audio sites. This router makes use of the Annex M standard to achieve higher upload speeds by doubling the upstream data rate.

FBR-1461

Efficient Internet Control
The Quality of Service (QoS) allows for full control over the outgoing data stream. Priority can be given to ensure important data like gaming packets, customer information or management information are favored even under heavy traffic load. Further, the **FBR-1461** also allows for speed control for different types of outgoing data ensuring that bandwidth is optimally used.

Easy Sign-On (EZSO)
The Easy Sign-On (EZSO) feature of the **FBR-1461** router allows users to establish an ADSL connection effortlessly via standard web browser like IE. The router automatically detects the protocol (PPPoE, PPPoA or DHCP) of an ADSL connection once connected to an ADSL line.

Robust Firewall Security
Along with the built-in NAT natural firewall feature, the **FBR-1461** router also provides Denial of Service (DoS) attacks and Stateful Packet Inspection (SPI) features to counter hacking attempts and URL content filtering.

Related Products

FBR-1416
1W, 4L ADSL Router

WBR-3407
1W, 4L 54Mbps Wireless ADSL Router

Key Features

- High speed Internet access with ADSL2/2+
- Backward compatible to ADSL
- SOHO Firewall Security with DoS Prevention and SPI
- Easy Sign-On (EZSO) Web-based Configuration

- Quality of Service Control for Traffic Prioritization and Bandwidth Management
- Dynamic Domain Name System (DDNS)
- Support Virtual Private Network (VPN) pass-through
- Ideal for home and SOHO users

Technical Specification

Hardware Specification

- **Physical Interface**
  - LINE: ADSL port
  - LAN: 4-port 10/100M auto-crossover (MDI/MDI-X) switch
  - Factory default reset button
  - Power jack
- **Physical Specification**
  Dimensions: 5.20" x 3.70" x 1.38″
  (132mm x 94mm x 35mm)
- **Power Requirement**
  Input: 12VDC
- **Operating Environment**
  - Operating temperature: 0 ~ 40 ˚C
  - Storage temperature: -20 ~ 70 ˚C
  - Humidity: 20 ~ 95% non-condensing

ADSL Compliance

- Compliant with ADSL/ADSL2/ADSL2+

ATM and PPP Protocols

- ATM Adaptation Layer Type 5 (AAL5)
- Multiple Protocol over AAL5 (RFC 2684, formerly RFC 1483)
- Bridged or routed Ethernet encapsulation
- VC and LLC based multiplexing
- PPP over Ethernet (PPPoE)
- PPP over ATM (RFC 2364)
- OAM F4/F5

Quality of Service Control

- Support DiffServ approach
- Traffic prioritization and bandwidth management based-on IP protocol, port number and address

Network Protocols and Features

- NAT, static routing and RIP-1/2
- Universal Plug and Play (UPnP) Compliant
- Dynamic Domain Name System (DDNS)
- Virtual Server and DMZ
- SNTP, DNS relay and IGMP proxy

Firewall & Virtual Private Network (VPN)

- Built-in NAT Firewall
- Stateful Packet Inspection (SPI)
- Prevent DoS attacks including IP Spoofing, Land Attack, Smurf Attack, Ping of Death, TCP SYN Flooding
- Packet Filtering - port, source IP address, destination IP address, MAC address
- URL Content Filtering - string or domain name
- Password protection for system management
- VPN pass-through

Management

- Quick Installation Wizard and Auto-scan ADSL settings
- Web-based GUI for remote and local management
- Firmware upgrade and configuration data upload and download via Web-based GUI
- Embedded Telnet server for remote and local management
- Available Syslog monitoring
- Support DHCP server/client/relay
- SNMP v3, MIB-I and MIB-II support

Product Diagram

FBR-1461

Ordering Information

- FBR-1461A: 1W, 4L ADSL2+ Modem Router Annex A
- FBR-1461B: 1W, 4L ADSL2+ Modem Router Annex B-UR2

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