

Datasheet_FBR-1416

1W, 4L ADSL Router

LevelOne's FBR-1416 is a ADSL Broadband Router that provides an economic combination of ADSL modem, Broadband Router, and Switching hub into one unit and shares the high-speed ADSL internet connection. The 4-port switch allows 4 workstations to connect with as well as supports 10/100 Mbps data transfer rate and auto MDI/MDIX function for each port.

The easy configuration environment allows users to manually configure the advanced settings that include making LAN, WAN setting, making access restrictions and creating system status logs through the Web-based management interface.

The network can be protected by the built-in security functions, FBR-1416 supports not only NAT firewall with SPI mode to protect the network against DoS attacks but also featured VPN function including IPSec, PPTP, L2TP pass-through to prevent unwanted access by potential hackers. Finally, to keep up with changing technologies, web-based firmware upgrade is easily carried out.



FBR-1416

Key Features

- ADSL modem & Broadband Router W/4-port switch
- Auto-sense 10/100Mbps connection speed with Half/Full Duplex mode and auto MDI/MDIX detection on all ports
- Supports PPTP, L2TP and IPSec VPN pass through
- Supports PPPoE, IPoA and PPPoA
- DHCP server allocates up to 253 client IP addresses
- URL filter, Access Control, Local Password
- Supports Virtual Server (Port Forwarding)
- Web-based Management
- Firewall protects against DoS attacks
- Logs and E-mail alert
- Cost-effective Solution

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Technical Specification

- **Standard**
IEEE 802.3, IEEE 802.3u
- **Ports**
LAN: 4 x RJ45, 10/100Mbps with Auto-MDI/MDIX
WAN: 1 x RJ11 for ADSL line
- **ATM**
AAL5, UBR,
VPI Range (0~255) and VCI Range (1~65535),
1 PVC (optional up to 16 PVCs),
OAM F4/F5 loopback
- **Payload Encapsulation**
RFC2684 (RFC1483), multi-protocol over ATM
RFC2225 (RFC1577), IPoA
RFC2364, PPP over ATM (CHAP and PAP)
RFC2516, PPPoE over ATM
- **WAN ADSL Line Interface**
Comply to G.dmt (G.992.1) Annex A, Annex B
Comply to G.lite (G.992.2) and T1.413 Annex A
Automatic-rate adaptation in step of 32 Kbps
Line Impedance: 100 Ω
- **Access Control**
MAC/IP Filter
URL Filter
Domain Access Control
- **Firewall**
NAT Firewall with SPI mode
Rule-based Policy Firewall,
Attack Alert (E-mail) and log,
DoS Attack Detection
- **VPN function**
IPSec, PPTP, L2TP Pass-Through
- **Other Features**
Supports DDNS, UPnP
- **LEDs**
1 x System power
1 x Status
4 x 100 LAN; 4 x 10 LAN
1 x WAN
- **Temperature**
Operating: 0°C~40°C; Storage: -10~70°C
- **Humidity**
Operating: 10%~90% non-condensing;
- **Power Supply:**
DC 15V/1A
- **Dimension**
215mm(L) x 150mm(W) x 36mm(H)
- **EMI and Safety**
FCC, CE

Product Diagram



FBR-1416 Diagram

Ordering Information

- FBR-1416A: 1W, 4L ADSL Router Annex A for PSTN environment
- FBR-1416B: 1W, 4L ADSL Router Annex B-UR2 for ISDN environment