

Internet Fiber Router



With growing network services such as HDTV, IPTV, voice-over-IP (VoIP) and Multimedia broadband applications, the demand of bandwidth rises quickly. The current Broadband environment has not already accorded with needing; the **FTTH** (fiber-to-the-home) would be the most promising NGN (Next Generation Networking) application to fulfill the demand.

The PLANET Internet Fiber Router, FRT-40x series, provides office and residential users the ideal solution for sharing a high-speed fiber Internet connection and four 10/100Mbps Fast Ethernet backbone. The FRT-40x series is a perfect FTTH Digital Home Router which can provide very high performance access to Internet, both downstream and upstream up to 100Mbps through the fiber interface. For WAN connection, the FRT-40x series supports several common optical connectors including **100Base-BX**, **100Base-LX**, **100Base-FX** and **Small Form Factor Pluggable (SFP)**. The Fiber Router can be implemented easily for optical fiber deployment.

The FRT-40x series provides **QoS** functions to enable smooth network services. Traffic priority can be assigned by the router to guarantee some important and specific transmissions, especially for real-time streaming multimedia applications such as the **on-line gaming**, **VoIP**, and **IPTV** to keep the bandwidth usage smoothly. Furthermore, the Fiber Router FRT-40x series not only provides basic router functions like DHCP server, Virtual Server, DMZ, and UPnP, but also features full firewall functions including Network Address Translation (NAT), IP / Port / MAC Filtering and Content Filtering. It serves as an Internet firewall to protect your network from being accessed by unauthorized users.

KEY FEATURES

- **Fiber Interface** for **FTTH / IPTV** applications
- Complies with IEEE 802.3, IEEE 802.3u 10/100Base-TX, 100Base-FX standard
- Long distance connection based on optical fiber transceiver
- Various choices of fiber-connector from SC, WDM and SFP, multi-mode / single-mode fiber / 100Base SFP
- Co-work with PLANET 100Base-FX Media Conversion and MFB-Series Transceiver
- **QoS** support
- **802.1Q VLAN** support
- Built-in 4-Port 10/100 Mbps Ethernet switch
- Router / Bridge mode support
- **SPI Firewall** security for Anti-DoS Prevention
- IP / Port / MAC Filtering and Content Filtering
- **TS-1000** and **802.3ah OAM** support
- Supports **SNMP v1/v2c**

APPLICATIONS

Internet Connection with Fiber Optic

The FRT-40x series is the perfect solution to connect a small group of PCs to a high-speed Internet connection allowing multiple users to access the Internet simultaneously. With built-in 100Base-FX fiber interface, the FRT-40x series supports WAN distance up to 15~60 Km by working with different types of optic fiber connectors. The FRT-40x is the ideal solution for FTTH (Fiber-to-the-home) applications. It can handle multiple high-throughput services such as IPTV, **on-line gaming**, **VoIP**, **Internet** access and keep the bandwidth usage smoothly. The FRT-40x series also incorporates a 4-Port 10/100Base-TX switching hub, which makes it easily create or extend your LAN and prevents the attacks from Internet.

