

## 802.11n Wireless 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 Wireless Internet Fiber Router, FRT-40xN series, is designed with 802.11n and 2T2R MIMO antenna technology to provide office and residential users the ideal solution for sharing a high-speed fiber Internet connection and four 10/100Mbps Fast Ethernet backbone. The FRT-40xN 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. The FRT-40xN series supports several common optical connectors for WAN connection, such as **100Base-BX, 100Base-LX, 100Base-FX and Small Form Factor Pluggable (SFP)**. The Fiber Router can be implemented easily for optical fiber deployment.

With built-in IEEE 802.11b/g and 802.11n wireless network capability, the FRT-40xN series allows any computer and wireless-enabled network device connect to it without additional cabling. 802.11n wireless capability gives you the highest speed of wireless experience ever. With a 802.11n compatible wireless adapter installed in your PC, the files can be transferred at up to **300Mbps**. The radio coverage is also doubled to offer the high speed wireless connection even in a wide space of your office or house.

To secure the wireless communication, the FRT-40xN series supports most up-to-date encryption: WEP, WPA-PSK and WPA2-PSK. In order to simplify the security settings, the FRT-40xN series supports **WPS** configuration with PBC/PIN type for users to connect to a secured wireless network easily.

The FRT-40xN 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. Moreover, the FRT-40xN series not only provides basic router functions like DHCP server, Virtual Server, DMZ, and UPnP, but also offers 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 / WISP** mode support
- **SPI Firewall** security for Anti-DoS Prevention
- Supports IP / Port / MAC Filtering and Content Filtering
- **TS-1000** and **802.3ah OAM** support
- Supports **SNMP v1/v2c**
- IEEE 802.11n wireless technology backward compliant with 802.11b/g standard
- Capable of up to **300Mbps** wireless data rate
- **WPS / WMM** support
- Supports 64/128-bit WEP, WPA-TKIP(PSK), WPA2-AES(PSK), 802.1x

**APPLICATIONS**

*Internet Connection with Fiber Optic*

The FRT-40xN 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-40xN series supports different optic types for WAN distance up to 15~60 Km through the Fiber connection. The FRT-40xN 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-40xN 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.

Applied with IEEE 802.11n technology, the FRT-40xN series provides better wireless signal, higher data rate and performance than 802.11g compliant routers. Furthermore, the FRT-40xN features the latest security and firewall functions to prevent unauthorized access or invasion. By just clicking the **WPS** button and setup step by step, then you can easily get in the wireless network and enjoy high speed Internet transmission in your home or office.

