

## N300 Wireless GPON Router

### TX-W6961N

#### ⦿ Features:

- High speed GPON ONT, NAT Router, 4-port Switch and Wireless N Access Point provides a one-stop networking solution
- Complies with ITU G.984.1, ITU G.984.2, ITU G.984.3 and ITU G.984.4, providing you comprehensive GPON network compatibility
- Extremely high access speed up to 2.488Gbps Downstream and 1.244Gbps Upstream
- Wireless N speed up to 300Mbps makes it ideal for heavy bandwidth consuming or interruption sensitive applications like online gaming, Internet calls and even the HD video streaming
- Built-in IGMP snooping and proxy combined with 802.1Q VLAN(Virtual LAN) provide a smooth IPTV experience
- Supports OMCI (ONT Management Control Interface) remote management
- Quality of Service control for bandwidth management
- Guest Network Access provides secure Wi-Fi access for guests
- Allows parents or administrators to establish restricted access policies for children or staff



#### ⦿ Description:

TP-LINK's N300 Wireless GPON router TX-W6961N is a Gigabit Passive Optical Network (GPON) terminal, ideal for Fiber to the Home solution. It's an all-in-one device allowing users to access high-speed internet connection via GPON port and share it wirelessly at 300Mbps wireless 802.11n speeds. TX-W6961N provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

## Specifications:

HARDWARE FEATURES	
Interface	1 SC/APC GPON Port 4 10/100Mbps RJ45 LAN Ports
Button	1 Power On/Off Button 1 WPS Button 1 Wi-Fi On/Off Button 1 RESET Button
External Power Supply	9VDC/0.85A
IEEE Standards	IEEE 802.3, 802.3u
GPON Standards	ITU G.984.1 ITU G.984.2 ITU G.984.3 ITU G.984.4
Optical Module	Class C+
Optical Wavelength	Transmit at 1310nm Receive at 1490nm
Transmission Distance	0 ~ 20Km Max
Bandwidth	Downstream 2.488Gbps Max Upstream 1.244Gbps Max
Dimensions (Wx Dx H)	10.1x 7.0x 2.0 in. (256x 177x 51 mm)
Antenna Type	Omni directional
Antenna Gain	2x5dBi
TX Powe	0.5~5dbm
RX Power	-8~-30dBm
WIRELESS FEATURES	
Wireless Standards	IEEE 802.11n, 802.11g, 802.11b
Wireless Speeds	Up to 300Mbps (dynamic)
Frequency	2.400-2.4835GHz
Transmit Power	<20dBm(EIRP)
Wireless Functions	Enable/Disable Wireless Radio, WDS Bridge, WMM, Wireless Statistics
Wireless Security	64/128-bit WEP,WPA / WPA2,WPA-PSK/ WPA2-PSK encryption, Wireless MAC Filtering
SOFTWARE FEATURES	
WAN Connection Type	PPPoE, Dynamic IP, Static IP, Bridge Support Multiple WAN connection
DHCP	Server, Client, DHCP Client List, Address Reservation, DHCP relay
Quality of Service	Bandwidth Control
Port Forwarding	Virtual server, Port Triggering, DMZ, ALG, UPnP
VPN Pass-Through	PPTP, L2TP, IPSec Pass-through
Dynamic DNS	DynDns, NO-IP

## ◎ Specifications:

Security	<ul style="list-style-type: none"> <li>NAT Firewall, SPI Firewall</li> <li>MAC / URL Filtering</li> <li>Firewall for Denial of Service(DoS), SYN Flooding, Ping of Death</li> <li>IP and MAC Address Binding</li> </ul>
Management	<ul style="list-style-type: none"> <li>OMCI</li> <li>Web Based Configuration</li> <li>Command Line Interface, SSL for TR-069</li> <li>SNMP v1/2c</li> <li>OMCI Based Firmware Upgrade</li> <li>Web Based Firmware Upgrade</li> </ul>
IPv6	<ul style="list-style-type: none"> <li>IPv6 and IPv4 dual stack</li> </ul>
Advanced Features	<ul style="list-style-type: none"> <li>SN, Password, SN + Password Authentication Mode</li> <li>Upstream and Downstream FEC, AES encryption</li> <li>Dynamic Bandwidth Allocation(DBA) support NSR/SR</li> <li>802.1Q VLAN, Static Routing;</li> <li>IGMP v1/v2 /v3</li> <li>16 T-CONTs, 256 GEM Ports</li> </ul>
<b>OTHERS</b>	
Certification	<ul style="list-style-type: none"> <li>CE, FCC, RoHS</li> </ul>
Package Contents	<ul style="list-style-type: none"> <li>TX-W6961N</li> <li>RJ-45 Ethernet Cable</li> <li>Quick Installation Guide</li> <li>Power Adapter</li> </ul>
System Requirements	<ul style="list-style-type: none"> <li>Microsoft® Windows® 98SE, NT, 2000, XP, Vista™, Windows 7, Windows 8, Windows10,MAC® OS, NetWare®, UNIX® or Linux.</li> </ul>
Environment	<ul style="list-style-type: none"> <li>Operating Temperature: 0°C~40°C (32°F~104°F)</li> <li>Storage Temperature: -40°C~70°C (-40°F~158°F)</li> <li>Operating Humidity: 10%~90% non-condensing</li> <li>Storage Humidity: 5%~90% non-condensing</li> </ul>

**Diagram:**