The ZyXEL WAP5805 5-GHz Wireless N600 HD Media Streaming Box creates a high-performance wireless media bridge for your home network. The interference-free 5 GHz radio band, video-grade QoS and beamforming of WAP5805 enable service providers to offer subscribers new IPTV services that reduce deployment complexity, operating costs and maintenance expenses.

**Benefits**

**Optimized HD visual experience with IPTV services**
The ZyXEL WAP5805 5-GHz Wireless N600 HD Media Streaming Box is compliant with the 802.11n standard and brings you high wireless speeds of up to 600 Mbps* for multimedia streaming. For IPTV services, the device connects directly to a 5 GHz wired network through the service provider gateway and then connects to the IP set-top-box client that receives IPTV streams between two WAP5805 boxes. Taking advantage of the less-congested 5 GHz band eliminates interference from common 2.4 GHz radio band devices such as cordless phones and microwaves.

The ZyXEL WAP5805 also applies the latest video-grade QoS that intelligently optimizes the video streaming quality.

**Expanding effective wireless coverage effortlessly**
The ZyXEL WAP5805’s beamforming technology enables it to transmit wireless signals directly to the linked devices for extended wireless coverage. Just install a pair of WAP5805 Media Streaming Boxes at home and you can enjoy digital entertainment without dead spot.

**Set up your secured wireless network easily**
The ZyXEL WAP5805 uses WPS 2.0 to protect your wireless network. It takes only a push on the button to set up a secured wireless network between the AP and its clients.

**Remote management through TR-069**
ZyXEL’s WAP5805 takes advantage of the TR-069 standard that allows service providers to remotely manage and configure the devices without user intervention. Moreover, it helps reducing deployment complexity, operating costs and maintenance expenses.
## Specifications

### System Specifications

**Wireless Standard**
- 802.11 a/n

**Wireless Transfer Rate**
- Receive: 600 Mbps*
- Transmit: 600 Mbps*

**Wireless Security**
- WPA-PSK/WPA2-PSK

**WLAN Features**
- Two operation modes: access point and WLAN client
- Video-grade QoS
- Wi-Fi Protected Setup (WPS)
- Wi-Fi Multimedia (WMM)
- Wireless scheduling
- Wireless output power management (auto)
- Auto channel selection
- MAC address filtering
- Supports more AP (up to three guest AP at AP mode)

**System Management**
- HTTP, SSH, Telnet
- TR-069 remote management
- Online firmware upgrade

### Hardware Specifications

- **LAN:** One 10/100/1000 Mbps Ethernet RJ-45 port with auto MDI/MDIX support
- **LED indicators:**
  - Power
  - LAN
  - Wireless
  - WPS
- **Quality:** Multi-color LED identifying wireless traffic quality in client mode
- **Antennas:** Four internal antennas
- **AP/Client mode switch for setting up operation mode**
- **Buttons:**
  - Power on/off button
  - WPS button
  - Reset button
- **Power:** 12 V DC, 1 A
- **Power consumption:** 7 watt max

### Environmental Specifications

**Operating Environment**
- Temperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 10% to 90% (Non-condensing)

**Storage Environment**
- Temperature: -30°C to 70°C (-22°F to 158°F)
- Humidity: 10% to 95% (Non-condensing)

### Certification

- Safety
  - CE-LVD
- EMC
  - CE, FCC

### Package Contents

- 5 GHz Wireless N600 HD Media Streaming Box
- Power adapter
- Ethernet cable
- Quick start guide
- Support CD
- Warranty card

* The maximum wireless data transfer rate of up to 600 Mbps for 5 GHz simultaneously, which is derived from IEEE Standard 802.11 specifications. Actual data transfer rate will vary from network environment including: distance, network traffic, building site materials/construction, interference from other wireless devices, and other adverse conditions.

** Future request by project based**

---

### Application Diagram

[Diagram showing network setup with WAP5805 and STB2101-HD HD IP Set-top Box in Client Mode and AP Mode.]