NWD7605

Dual-band Wireless AX1800 USB Adapter

Accelerate your PC with the latest WiFi 6

The Zyxel NWD7605 is a dual-band USB wireless adapter that promptly upgrades your desktop or laptop to the latest 802.11ax technology with WiFi speeds of up to 574 Mbps (2.4 GHz), 1200 Mbps (5 GHz). The WiFi 6 standard delivers efficient connectivity that meets the demands of the growing number of connected personal and IoT devices. The NWD7605 gives your laptop or PC an instant plug-and-play upgrade to WiFi 6.

WiFi 6 technology heralds a new era

NWD7605 leverage the latest WiFi 6 technology which has been designed to offer faster and efficient connections especially in device dense environments.

AX 802.11 Works with all standard 802.11 a/n/ac and ax devices

Enable faster transmission in high density environments with OFDMA

MU-MIMO for fast and efficient connectivity

Retractable, cap-free designed to carry anywhere while traveling

Dual-band network optimized web browsing and streaming

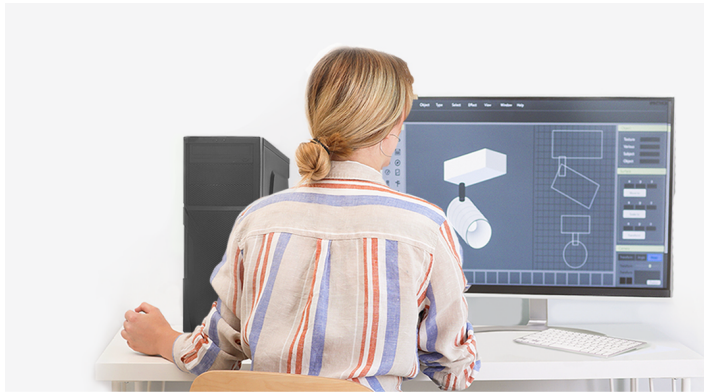Supports WPA2/WPA3 and easy WPS setup

Compatible with Microsoft Windows 10, 11 and Linux operating systems

Benefits

Speed, never compromised

The NWD7605 is a dual-band WiFi 6 USB 3.0 adapter that helps you take full advantage of WiFi 6 routers. It provides wireless bandwidth of up to 1800 Mbps — 574 Mbps on the 2.4 GHz band and 1200 Mbps on the 5 GHz band. This makes NWD7605 up to 1.5 times faster than WiFi 5 clients, so you can enjoy faster bandwidth even while transferring multimedia files or streaming content on your devices.

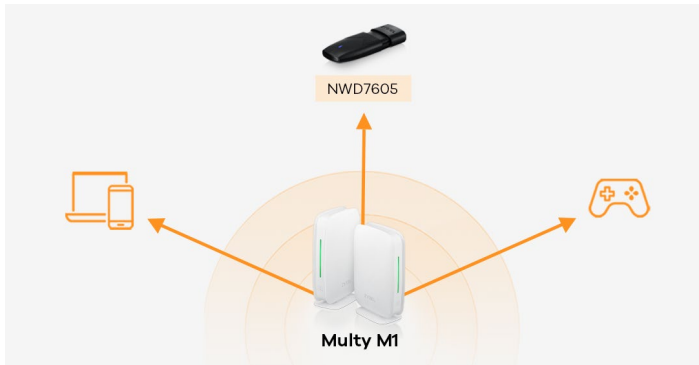**1.5x** Faster

WiFi 6 – 2x2
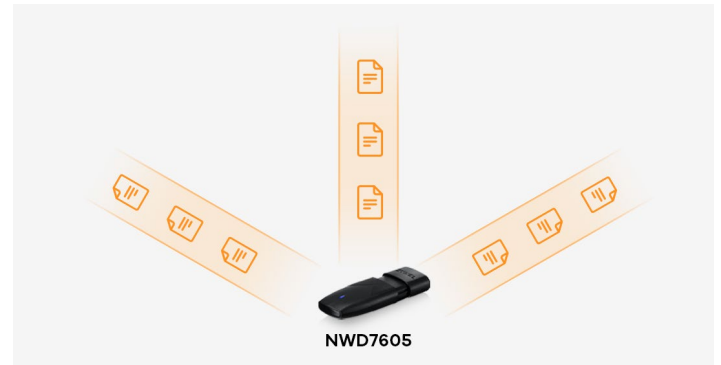1800 Mbps

WiFi 5 – 2x2
1200 Mbps

MU-MIMO for efficient connectivity

MU-MIMO technology allows the router to send and receive data simultaneously from multiple devices while WiFi 5 only from one user to be transmitted at the same time, greatly improving the efficiency of network usage.

NWD7605

Multy M1

Enable faster transmission with OFDMA

Equipped with OFDMA technology, it can carry more working data online at the same time. Increases the overall network throughput and optimize short packet transmission for better network performance.

NWD7605

Retractable, Cap-free design

NWD7605 can be plugged in easily into laptops or PCs with a USB port to give it the full WiFi 6 speed capabilities. It's plug-n-play, cap-free, and portable, making it the perfect choice for any laptop or PC.

Maximum level security with WPA3

Ensure maximum protection for your wireless network connection with the latest WiFi Protected Access 3 (WPA3) to avoid password-cracking attacks! WPA3 enables more robust authentication and delivers individualized sensitive data encryption to strengthen user privacy.
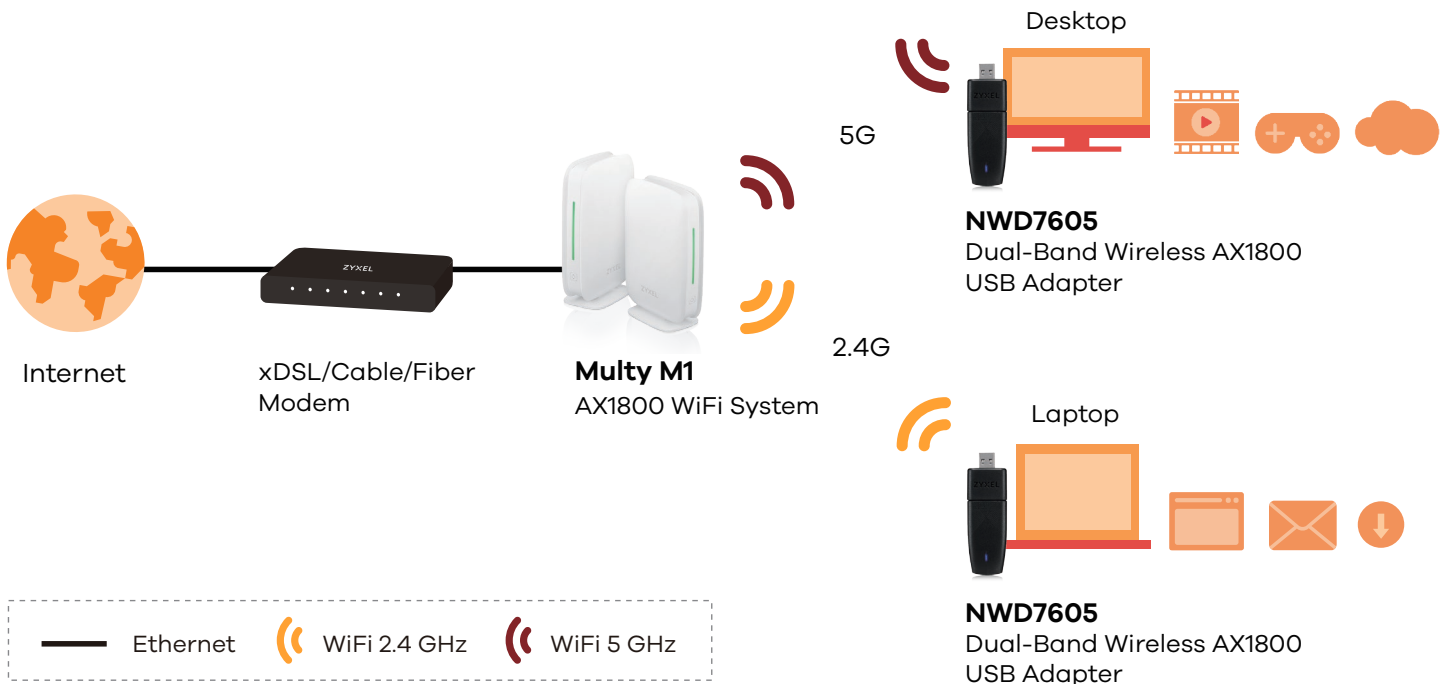

WPA3

User-friendly design makes connection easy

Download the [latest driver](#) and follow the fast and easy-to-install process, set it up just like a breeze. Work with any wireless router for better WiFi speed, convenient compatible with operating systems including Windows, Linux, giving you reliability of the WiFi connection anytime anywhere.

Easy Setup

High Compatibility

Multiple OS Support

Application Diagram

Internet

xDSL/Cable/Fiber Modem

Multy M1
AX1800 WiFi System

5G

2.4G

Desktop

NWD7605
Dual-Band Wireless AX1800
USB Adapter

Laptop

NWD7605
Dual-Band Wireless AX1800
USB Adapter

Ethernet　　WiFi 2.4 GHz　　WiFi 5 GHz

Specifications

System Specifications

Wireless Standard
• IEEE 802.11ax/ac/n/a

Wireless Transfer Rate
• 2.4G up to 574 Mbps
• 5G up to 1200 Mbps

Radio Band
• 2.4 GHz or 5 GHz

Wireless Security
• WPA2, WPA2-PSK, WPA3*1

Wireless Features
• Client mode

Hardware Specifications

Radio Band
• Interface: USB 3.0 type A*2
• LED indicator:
  Link/Activity/Installation
• Antenna:
  ▪ One 5 GHz internal dual-band
    antenna
  ▪ One 2.4 GHz internal dual-band
    antenna

• Operation voltage: DC 5V
• Power consumption: 12 watt

Physical Specifications
• Item dimensions (DxWxH):
  95 x 30 x 15 mm
  (3.74 x 1.18 x 0.59 inch)
• Item weight: 28g (0.062 lb.)
• Packing dimensions (DxWxH):
  120 x 101 x 27 mm
  (4.72 x 3.97 x 1.06 inch)
• Packing weight: 88g (0.194 lb.)

Environmental Specifications
• Operating Environment:
  ▪ Temperature:
    0°C to 40°C (32°F to 104°F)
  ▪ Humidity:
    10% to 90% (Non-condensing)
• Storage Environment:
  ▪ Temperature:
    -20°C to 60°C (-4°F to 140°F)
  ▪ Humidity:
    10% to 95% (Non-condensing)

Certification
• FCC, CE, UKCA, NCC, BSMI

OS Support
• Microsoft Windows 10 / 11, Linux

*: The maximum wireless data transfer rate is
  derived from the IEEE Standard 802.11
  specifications. Actual data transfer rate will
  vary from network environment conditions
  including distance, network traffic, building
  site materials/construction, interference from
  other wireless devices.
*1: Zyxel NWD7605 adapter fully supports WPA3
  using Windows 10 version 1903 update or
  above and WiFi driver 1030.36 or above.
*2: We recommend connecting the NWD7605 to
  a USB 3.0 port. Using USB 2.0 or lower will
  affect performance.

Download Latest Driver
www.zyxel.com/nwd7605driver

Datasheet NWD7605

10/06/22