

Ethernet Router AX3000

2.5 GE WAN | 2.5 GE LAN | USB 3.0 Host

WR-2406u



WR-2406u is a FTTH router which provides one RJ-45 for 2.5Giga Ethernet WAN access, one 2.5Giga Ethernet port for LAN access and three Giga Ethernet ports for LAN access. The Wi-Fi 6 device exhibits the best end-user experience with the fastest Wi-Fi speeds, up to 4-times greater network capacity than Wi-Fi 5. The two wireless bands (2.4GHz & 5GHz) are separated in two dedicated Wi-Fi networks, supporting more end-user devices while reducing signal interference.

With 1*USB3.0 host port the Ethernet Router provides high speed access to USB devices such as printer server, 3G dongle, HDD, and has future DLNA connectivity.

WR-2406u is designed for high speed applications and is suitable for triple play services by wired or wireless protocol.

KEY FEATURES

- **2.5 Giga Ethernet:** Capable of providing high-speed (2.5Giga) connectivity.
- **OFDMA and MU-MIMO:** Supports both up-link and down-link, allowing efficient data transmission for more devices at the same time.
- **Bss Coloring:** Makes more efficient use of the Wi-Fi spectrum by reducing interference to ensure more efficient service to multiple connected devices in busy Wi-Fi environments.
- **802.11ax (1024 QAM):** Supports high throughput capability and compatible with 11a/b/g/n/ac.
- **Remote Management for Reduced Truck Rolls:** Supports TR-069 to easily setup, manage, troubleshoot and control the CPE remotely.

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SPECIFICATIONS

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Main Chipset	<ul style="list-style-type: none">▪ RTL9607DQ : Main chip supports two 2.5GE ports and PCIe connecting wireless chipset▪ RTL-8221B-VB-CG : 2.5GE PHY▪ RTL8192XBR : Wireless 802.11ax, 2.4GHz, 2T2R supports 20/40 MHz▪ RTL8832CR: Wireless 802.11ax, 5GHz, 2T2R supports 20/40/80/160 MHz
Memory	<ul style="list-style-type: none">▪ Flash : SPI NOR (Not Requested)▪ Flash : Parallel NAND (128M Byte)▪ Memory : DDR3 (512M Byte)
Interface	<ul style="list-style-type: none">▪ RJ-45 Giga Ethernet : 2500 Base-T, 1000 Base-T(802.3ab), 100 Base-Tx(802.3u), 10 Base-T(802.3u) Full-duplex or half duplex Ethernet, Auto-MDIX support, 802.3az Energy Efficient Ethernet▪ RJ-45 Giga Ethernet : 1000 Base-T(802.3ab), 100 Base-Tx(802.3u), 10 Base-T(802.3u) Full-duplex or half duplex Ethernet, Auto-MDIX support, 802.3az Energy Efficient Ethernet▪ USB : USB 3.0
Antenna	<ul style="list-style-type: none">▪ Internal PCB antenna (2.4GHz) : Internal single band antenna (3dBi)▪ Internal PCB antenna (5GHz) : Internal single band antenna (3dBi)
RF Band	<ul style="list-style-type: none">▪ 5GHz : Beamforming is requested FEM: KCT8539HE Target Power: CE▪ 2.4GHz Beamforming is requested FEM: RTL-8192XB support iPA Target Power: CE
ENVIRONMENT	
Physical & Environmental	<ul style="list-style-type: none">▪ Operating (System Ambient) : 0 ~ 40 °C▪ Humidity : 5 ~ 95% (non-condensing)



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Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.