

RIVO MULTITRADE OPTICAL SYSTEMS

China Mobile s fiber optic router



Overview

In short, the fiberhome hg6145d1 fiber optic modem is the perfect choice for upgrading your home network.

Key Takeaways

China Mobile offers high-performance fiber optic routers like the GM220-S and H2-3S, combining GPON/XPON connectivity with Wi-Fi 6/dual-band support for home and small office networks.

GM220-S XPON ONU Router

- Supports GPON and XPON networks, ideal for fiber optic applications .
- Equipped with dual external antennas for enhanced Wi-Fi coverage and signal strength, improving performance in larger areas .
- Multiple Ethernet ports and a USB port allow wired connections and file sharing across devices .
- User-friendly design with LED indicators and WPS button for easy network management .
- Suitable for home or small office setups, offering reliable connectivity and integration with China Mobile's network services .
- H2-3S Gigabit Passive ONU Router
- Integrates Wi-Fi 6 (802.11ax) functionality with dual-band operation (2.4 GHz + 5 GHz), supporting up to 32 devices simultaneously .

- Provides gigabit fiber access with real-world download speeds up to 980 Mbps, ideal for small apartments or home users .
- Features a bilingual interface (Chinese/English) and plug-and-play setup, requiring no complex configuration .
- Passive design draws power directly from the optical fiber, making it energy-efficient and safe .
- Best suited for users seeking stable, high-speed internet without enterprise-level multi-device management . HK718 Dual-Band ONT Router
- Uses GPON technology for ultra-broadband access .
- Supports 802.11ac dual-frequency Wi-Fi, multiple Ethernet ports, USB, and telephone connections .
- Designed for home FTTH solutions, providing high-performance forwarding for voice, internet, and HD video services .

Functionality and Advantages

China Mobile fiber routers often combine the optical-electrical conversion of an ONU/ONT with router functions, offering an all-in-one solution . Key benefits include:

- Packet forwarding and routing for efficient network traffic management .
- Network Address Translation (NAT) and firewall protection for security .
- Quality of Service (QoS) to prioritize critical applications like VoIP or video conferencing .
- Simplified deployment and management, especially in integrated setups where the router directly connects to the fiber line .

Choosing the Right Router

- For small offices or larger homes, the GM220-S Pro Model offers superior signal range and coverage .
- For home users or small apartments, the H2-3S is cost-effective, supports Wi-Fi 6, and provides stable gigabit speeds .
- For dual-band high-performance home networks, the HK718 is suitable for FTTH setups with multiple devices and multimedia services .

Maintenance Tips

- Keep the router in a well-ventilated area to prevent overheating.
- Regularly update firmware to ensure security and performance.
- Adjust external antennas for optimal Wi-Fi coverage.
- Avoid placing the router near metal objects or thick walls that can block signals.

- Use quality Ethernet cables for wired connections to maintain speed and stability. China Mobile's fiber optic routers provide a range of options tailored to different user needs, from high-speed home internet to small office networks, combining robust connectivity, Wi-Fi coverage, and integrated network management.

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