

AN4475-K2

Primary Gateway

Flexible Access

2.5G optical-electrical Combo port access

Smart Wireless

2 × 2 Wi-Fi 7

High Reliability

Network-level and device-level protections

Multi-dimensional Compatibility

Catering to diverse operator requirements



About the Device

The AN4475-K2 is an enterprise-grade FTTR primary gateway independently developed by FiberHome. It serves as a core link device between enterprise and operator networks, providing high-performance dual-band Wi-Fi 7 wireless access. In addition, the device offers a suite of functions such as firewall, AC management and control, and VPN interconnection.

Highlights

High-speed Access & Flexible Scalability

- Network side: Supports XGS-PON / 10G EPON symmetric access and features automatic switching between upstream PON modes.

- User side: Provides a 2.5G optical-electrical Combo port and supports both symmetric and asymmetric GPON access, ensuring compatibility with a wide range of sub-gateways.
- Supports up to 32 sub-gateways with concurrent connections.

Smart Wireless with Extreme-speed Performance

- Integrated 2 × 2 Wi-Fi 7
- AC management and control
- Seamless roaming (handover within 50 ms)
- Load balancing

Multi-layer Protection & Security Compliance

- Audit plugin support: Ensures device usage complies with relevant regulations.
- Integrated security suite: Combines Portal / 802.1X authentication and a built-in firewall for robust network security.

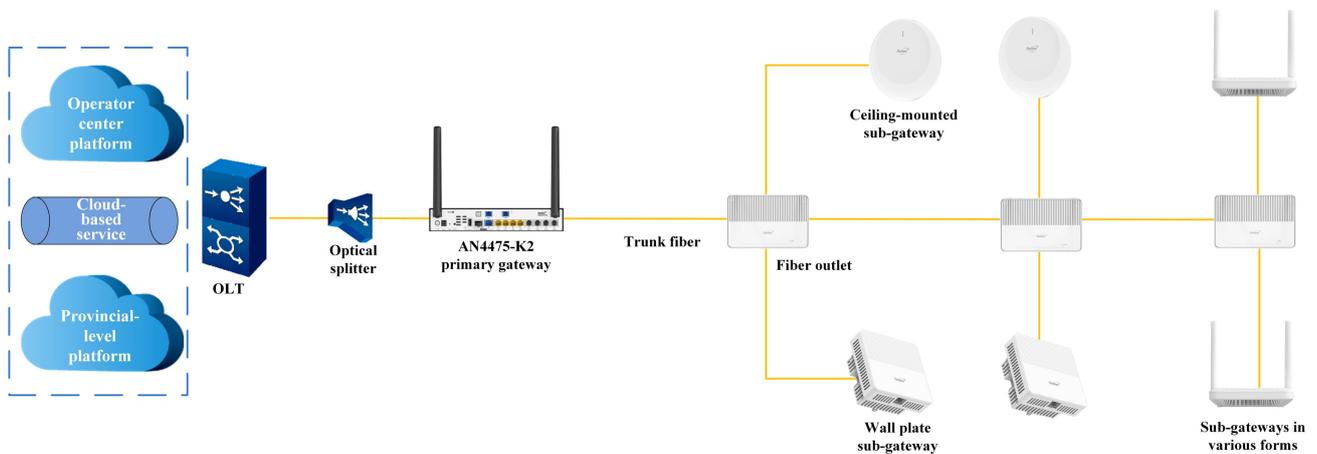
Multi-dimensional Compatibility for Universal Network Adaptation

- Support for multiple operator plug-ins
- Integrated ICT platform



Application Scenario

Tailored for small business environments including office buildings, neighborhood supermarkets and clinics, the AN4475-K2 meets all core connectivity demands for wired / wireless Internet access and voice services. It enhances user experience by providing complete Wi-Fi coverage, seamless roaming, and ultra-high speed bandwidth access.



Specifications

Item	Specification
Subrack dimensions (excluding the antenna)	43.5 mm × 250 mm × 175 mm (H × W × D)
Weight	≤ 2.5 kg
Network side interface	1 × XGS-PON / 10G EPON symmetric port
User side interface	<ul style="list-style-type: none"> ◆ 1 × 2.5GE optical-electrical Combo port ◆ 1 × symmetric / asymmetric GPON + 4 × GE + 1 × USB 2.0 + Wi-Fi 7 interface ◆ 4 × POTS ports
Input voltage	12 V
Input current	Rated current: 2 A
Typical power consumption	19 W
Operating temperature	-10°C to 55°C



Item	Specification
Operating relative humidity	5% to 95% (non-condensing)
Storage temperature	-20°C to 70°C
Relative humidity for storage	5% to 95% (non-condensing)
Atmospheric pressure	70 kPa to 106 kPa
Altitude	-60 m to 5000 m
IP rating	IP20
Lightning protection	CISPR 35 and EN 55035 compliant ◆ AC power interface (power adapter): 4 kV in common and differential modes ◆ GE ports: 1.5 kV in common mode and 0.5 kV in differential mode ◆ POTS ports: 1.5 kV in common and differential modes
Mounting	Plane mounting, wall mounting and cabinet (19-inch or 21-inch) mounting

Copyright © FiberHome Telecommunication Technologies Co., Ltd. All rights reserved.

No part of this document (including the electronic version) may be reproduced or transmitted in any form or by any means without prior written permission from FiberHome.

Trademarks and Permissions

FiberHome[®] and other FiberHome trademarks are trademarks of FiberHome Telecommunication Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

General Disclaimer

All or part of the products, services and features described in this document may not be within your purchase scope or usage scope. In case of inconsistency, the contract shall prevail. The information in this document may contain predictive statements. Actual results may differ materially from those expressed or implied in predictive statements due to numerous factors. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance.

Information in this document is subject to change without notice due to upgrade or other needs. FiberHome Telecommunication Technologies Co., Ltd.

FiberHome Telecommunication Technologies Co., Ltd.

Address: No.6, Gaoxinsilu, High-Tech Development Zone, Wuhan, Hubei Province, P. R. China

Postcode: 430205

Website: <http://www.fiberhome.com>

Tel: +86 800-8800787; +86 400-8890787

