

ALFA WiFi CampPro 3

Dual-band WiFi range extender kit for RV and boat applications

Product overview

WiFi CampPro 3 is a dual-band WiFi range extender system designed to retrieve and extend Internet access from remote WiFi hotspots in an RV or yacht. The kit combines an outdoor WiFi 5 unit, a high-gain dual-band omnidirectional antenna, and an indoor WiFi 4 unit for local connectivity.

The outdoor Tube-UAC2 can connect to 2.4 GHz or 5 GHz hotspots, while the R36AH indoor unit provides 2.4 GHz WiFi and two Fast Ethernet ports. The indoor and outdoor units can be separated by up to 8 m using the supplied USB cable.

At a glance

433 Mbps

Outdoor unit data rate

300 Mbps

Indoor unit data rate

7 / 9 dBi

Antenna gain at 2.4 / 5 GHz

Key features

- Dual-band 2.4 GHz / 5 GHz hotspot connectivity
- Outdoor WiFi 5 (802.11ac) support
- Indoor WiFi 4 (802.11n) support
- High-gain dual-band omnidirectional antenna
- Up to 8 m between indoor and outdoor units
- QR-code-based configuration
- Wall socket and car power adapters included

Typical application

Extending a remote 2.4 GHz or 5 GHz WiFi hotspot connection to multiple devices inside an RV or boat.

Detailed component specifications and package contents are listed on page 2.

Technical Specifications

Core specifications of the three main WiFi CampPro 3 components

R36AH - Indoor Unit	
Chipset	Qualcomm QCA9531
Memory	128 MB DDR2 RAM; 16 MB SPI NOR flash
WiFi standards	IEEE 802.11b/g/n
Frequency	2.4 GHz
Data rate	Up to 300 Mbps
USB	1 x USB 2.0 Type-A
Ethernet	2 x Fast Ethernet with ESD protection
Controls / LEDs	2 x push-button; 6 x LED

Tube-UAC2 - Outdoor Unit	
Chipset	MediaTek MT7610U
WiFi standards	IEEE 802.11a/b/g/n/ac
Frequency	2.4 GHz / 5 GHz
Data rate	Up to 433 Mbps
Interface	USB 2.0
Antenna connector	Type-N Female

AOA-2458-79AM - Outdoor Antenna	
Frequency range	2400-2500 MHz; 5150-5875 MHz
Gain	7 dBi at 2.4 GHz; 9 dBi at 5 GHz
Polarization	Linear, vertical
Antenna connector	Type-N Male

Package Contents

• R36AH indoor unit with external antenna • Tube-UAC2 outdoor unit • AOA-2458-79AM outdoor antenna • USB 2.0 cable, 8 m	• Wall socket and car power adapters • Installation accessories • RJ45 Ethernet patch cord • Printed installation guide
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Configuration: QR-code-based setup with printed installation instructions.

Source basis: ALFA Network official WiFi CampPro 3 product information and the supplied WiFi CampPro 3 specification sheet.