ALFA NETWORK

R36AH
Enhanced WiFi USB & 4G Modem Extender Router

OpenWrt Wireless Freedom

OpenWrt offical supported
Freedom to use third party's firmware

QRcode easy setup
Use Smart-phone to scan QRcode to setup

RWB mobile friendly
Support mobile user friendly web setup

High Speed Data Rates
Providing faster data rates up to 300Mbps (802.11n) and compatible with legacy 802.11b/g equipment

Flexible USB Port
Support specific Alfa WiFi USB adapters and 4G modem

Automotive Cigarette lighter Surge and ESD protection
Protect Ethernet port, RF and USB port damaged from ESD

Features

- **High Speed Data Rates**
  Providing faster data rates up to 300Mbps (802.11n) and compatible with legacy 802.11b/g equipment

- **Flexible USB Port**
  Support specific Alfa WiFi USB adapters and 4G modem

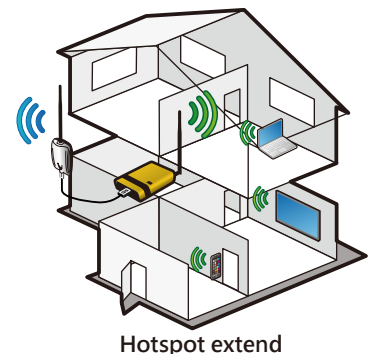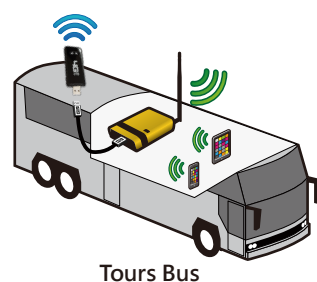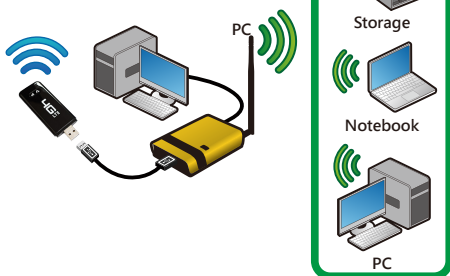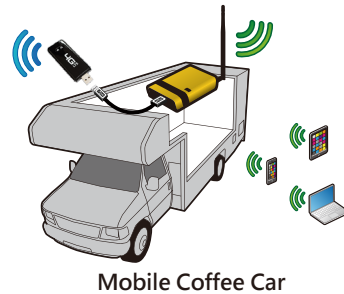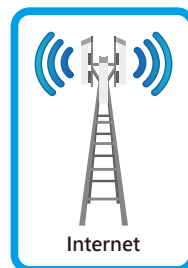- **RWB mobile friendly**
  Support mobile user friendly web setup

- **Automotive Cigarette lighter Surge protection**
  WDS, Multi-SSIDs, Static Routing, QoS and more

- **Enhanced ESD protection**
  Protect Ethernet port, RF and USB port damaged from ESD

- **Hardware Watchdog**
  Recover from fault to insure device working properly

Automotive DC shark protection
External Antenna
USB for WiFi USB
USB for 4G modem
Enhanced RF performance
Ethernet ESD protection
RF ESD protection
USB ESD protection
Hardware watchdog
Guest network Button
RWB mobile friendly

Internet Sharing Applications

4G LTE/3G/2G

Internet

PC

WiFI Phone

Storage

Notebook

PC

Internet

Mobile Coffee Car

Tours Bus

Hotspot extend

Specifications

Chipset	QCA9531	Security	64/128bit WEP WPA(TKIP with IEEE 802.1x) WPA2(AES with IEEE 802.1x) WPA Mixed 802.1x authentication
Standard	IEEE 802.11n/b/g (2x2)		
Frequency	2.142 – 2.484GHz		

Flash/SDRAM	16 MB / 128 MB	RF Performance
		(2 streams / ±2dB)
			TX 23dBm
			          11b: -96@1M
			RX: 11g: -77@54M
			          11n: -90@HT20

Data Rate	802.11n: up to 300Mbps 802.11g: up to 54Mbps 802.11b: up to 11Mbps		
Channel Width	20 / 40MHz	Operation Temperature	-20 °C ~ 60°C
Antenna	1x detachable antenna 1x internal antenna	Storage Humidity	10% ~ 90% (Non-condensing)
LED Indicated	PWR, LAN, WAN, USB, WLAN	Dimension(mm)	93 x 70 x 26 mm
Power requirement	DC Jack 12V Passive PoE 12-24V	Weight	74g

Supported USB Device

WiFi USB	AWUS036NH AWUS036NEH Tube-UN
4G USB modem	Alfa Onyx4GU Tube-U4G

Package contents

R36AH   **ARS-N05**   **Installation Guide**

RJ45 Cable   **DC12V**
Power Adapter