



Mobility WiFi Solution

5GHz 300Mbps Wireless Outdoor Vehicle-Mounted Station

WIS-M5300

Version 1.0

Product Overview

WIS-M5300 is a special designed vehicle-mounted wi-fi client /station featuring 802.11n technology for mobility WiFi solution. Featuring WisOS zero sense roaming technology, the WIS-M5300 is ideal for transportation, mining, surveillance industry for mobility data transmission while keep zero packet loss and smooth roaming experience.

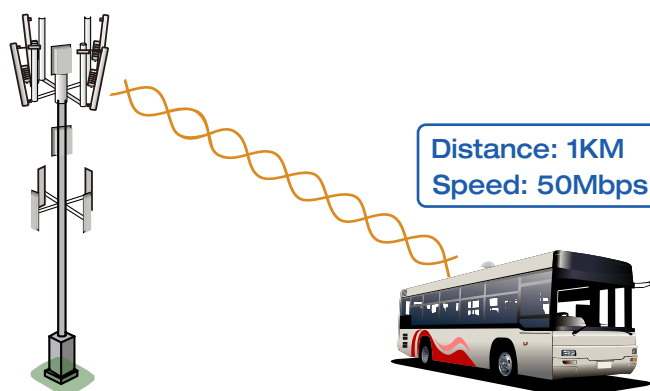
Features

Outdoor on-vehicle design

- IP54 waterproof
- Magnetic base
- Stabilized in moving condition

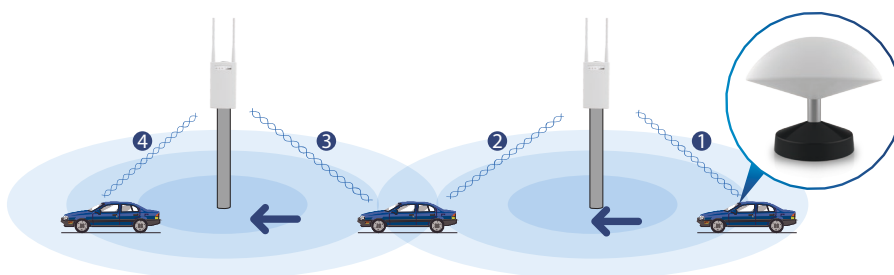


- Omni 7dBi High gain antenna
- Up to 27dBm tx power
- Up to -98dBm rx sensitivity
- WiD TDMA compatible



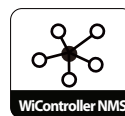
Zero sense roaming

- Zero packet loss while roaming
- Main + backup link mode
- Ideal for mobility video streaming

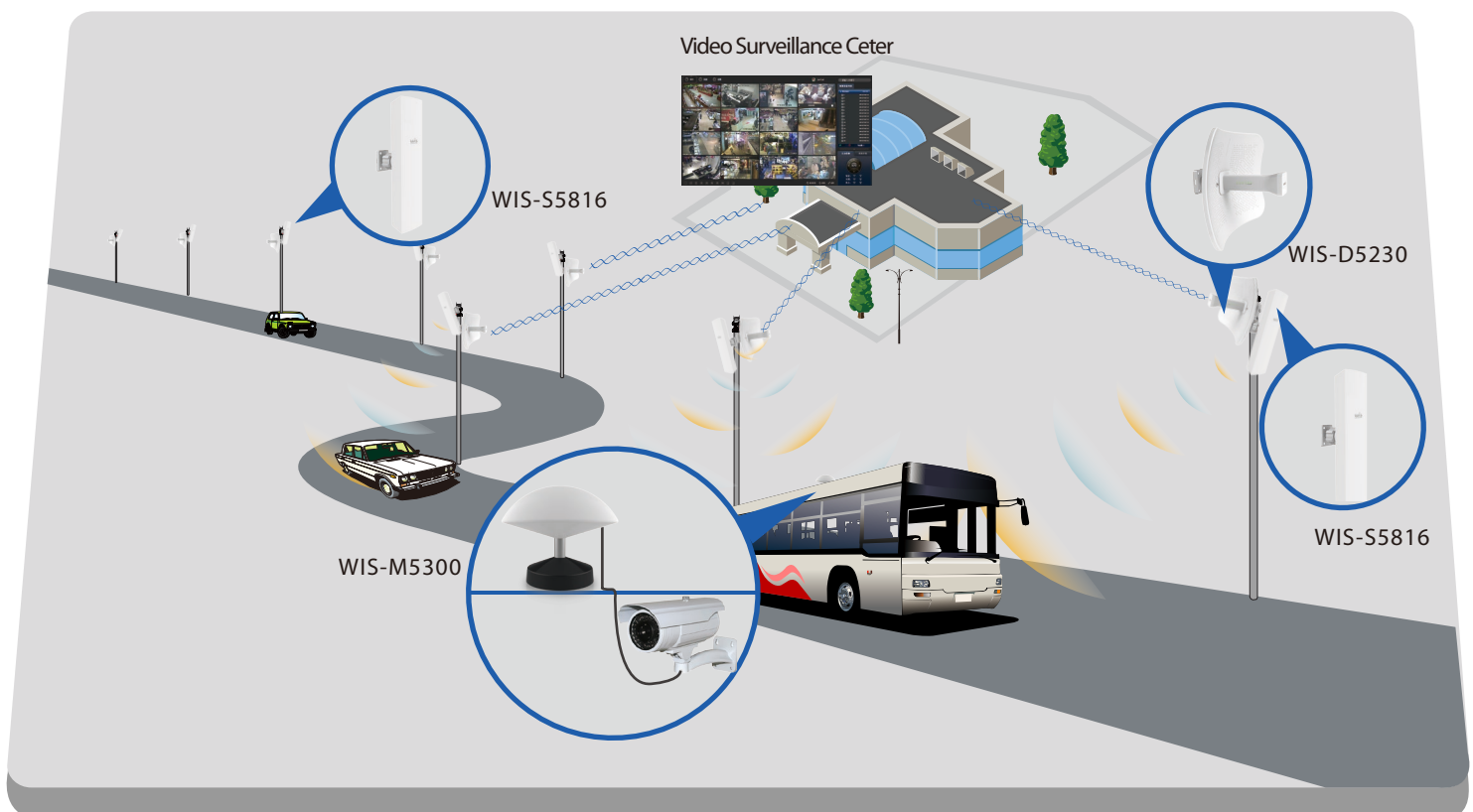


Features and Benefits

- Compliant with 802.11/n/a, speed up to 300Mbps
- Zero sense roaming to ensure smooth roaming between BSTs
- Advanced parameters settings for various roaming condition
- Compatible with all brand Wi-Fi access point and base station
- High output transmission power and receive sensitivity optimized
- Easy deployment on vehicles with magnetics base design
- 4V Passive PoE for flexible deployment in vehicle
- IP54 outdoor weather-proof housing and up to 16kV ESD protection



Network Diagram



Specification

> Radio

- 802.11a/n radio (Atheros 600MHz)
- Speed up to 300 Mbps
- Frequency Range: 5.150-5.250GHz
5.250-5.350GHz
5.470-5.725GHz
5.725-5.825GHz
- Tx Power up to 27dBm
- Rx Sensitivity 300M: -74dBm@10% PER
54M: -78dBm@10% PER
1M: -98dBm@10% PER

> Antenna

- 2*7dBi omni antenna

>Physical Parameters

- Dimension: $\phi 178 \times 157$ mm
- Wight: 1.225kg
- Enclosure: Weatherproof ASA
- ESD Protection: 16kV
- Lightning Protection: 2kV
- Working Temp: -30 ~ 70°C
- Storage Temp: -40 ~ 85°C
- Working Humidity: 10%~95% non-condensing

> Power

- 24VDC, 0.75A
- Power Consupcion: 6W

>Security

- Integrated Firewall
- WPA/WPA2;WPA-PSK/WPA2-PSK (AES/TKIP)
Encryption; 64/128-bit WEP;

> Interfaces

- 1x 10/100/1000 Base-T Ethernet
(Gigabit LAN with Passive PoE)
- Reset

>Warranty

- 1 Year

>Certification

- CE, RoHS

>Package content

- WIS-M5300
- Power Adapter with Passive PoE
- Mounting kits

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