



Wifi-soft
DATASHEET
UniMax UM720AC
Access Point

UniMax UM720AC is a dual-SIM 802.11ac WiFi router that is designed for deployment in vehicles like buses, trains, metros and ships. It can be powered by a 12V DC power supply directly from the vehicle battery. The device comes with dual 4G modems each operating independently. This allows two 4G data streams which can be aggregated for higher bandwidth and used in failover configuration. The WiFi router offers maximum transmission of 1200 Mbps and is backward compatible with IEEE 802.11a/b/g/n standards. It also provides on-board SSD storage (optional) for storing content. It comes with internal 3 DBi antennas for 2.4 GHz and 5 GHz, respectively.

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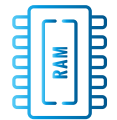
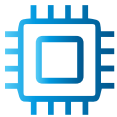
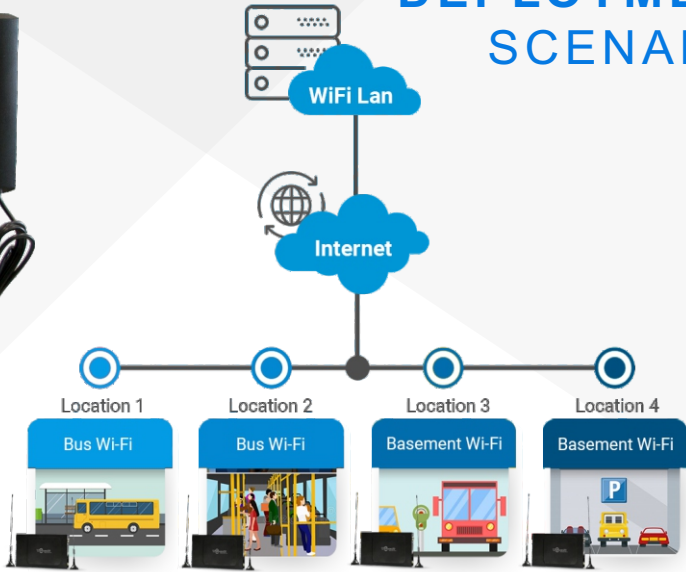
DATASHEET

Vehicular Access Point

DEPLOYMENT SCENARIO



UniMax UM720AC
ACCESS POINT



Hardware

Product Model Number

Protocol Standards

Wireless Technology

Working Frequency

Wireless Rate

Cellular Support

Antenna

Interface

Density

Power Supply

Storage

Size and Weight

LED

Button

POE Power Support

Power Supply

TECHNICAL SPECIFICATIONS

MobiMax UM-720AC

IEEE 802.11ac, IEEE 802.11a, IEEE 802.11n, IEEE 802.11g, IEEE 802.3u

2T2R MIMO, Integrated 4G LTE modems

2.4 GHz, 5 GHz

2.4 GHz: 300 Mbps, 5 GHz: 900 Mbps

2 * 4G LTE Modem

B1/2/3/4/5/7/8/12/13/17/20/25/26/28/38/39/40/41 3G:B1/2/5/8
LTE speed:Cat4, DL:150Mbps,UL:50Mbps

2 * 5dBi 2.4GHz antenna (Internal)

2 * 5dBi 5 GHz antenna (Internal)

4 * 5dBi 4G LTE antenna (External)

1 10/100M/1000M adaptive WAN port, support auto flip (Auto MDI/MDIX

2 10/100M/1000M adaptive LAN port, support auto flip (Auto MDI/MDIX)

2 * SIM CARD SLOT (Internal)

45 Devices on 2.4GHz and 45 Devices on 5GHz, 90 Devices on both radio

12V Car/Bus power supply

1* mSATA Storage 128GB (Optional)

280 * 240 * 80; 400 gm

Power, 2.4G, 5G, WAN, LAN

1*RESET button

No

DC12V/2.5 A; 12V-48V Variable DC Input Support (Optional)



Software Features

Management

Working Mode

Cellular Configuration

SSID's

Authentication

Operating Mode Features

Web Filtering / URL Logging

Firmware Upgrade

TECHNICAL SPECIFICATIONS



Cloud and Local Management

AP, Router

Automatic SIM detection and 4G LTE configuration

Upto 4 SSIDs per band

WPA/WPA2, RADIUS based wireless authentication, Captive portal based user authentication

Hotspot mode operation
Client isolation
Automatic channel selection
QoS/WMM
Automatic cellular backhaul detection and failover
Loadbalancing
Firewall
VPN
Isolated LAN support for both wired and wireless networks

Yes (Optional)

Centrally From Cloud

0°C ~ 40°C;

-40°C~ 70°C;

10%~90% non-condensing

10%~90% non-condensing

Environmental Features

Operating Temperature

Storage Temperature

Operating Humidity

Storage Humidity

RF Features

Max Data Rate

1200 Mbps (Aggregated)

Max Range

60 Feet

WiFi Antenna

5dBi omni directional antenna