

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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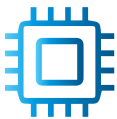
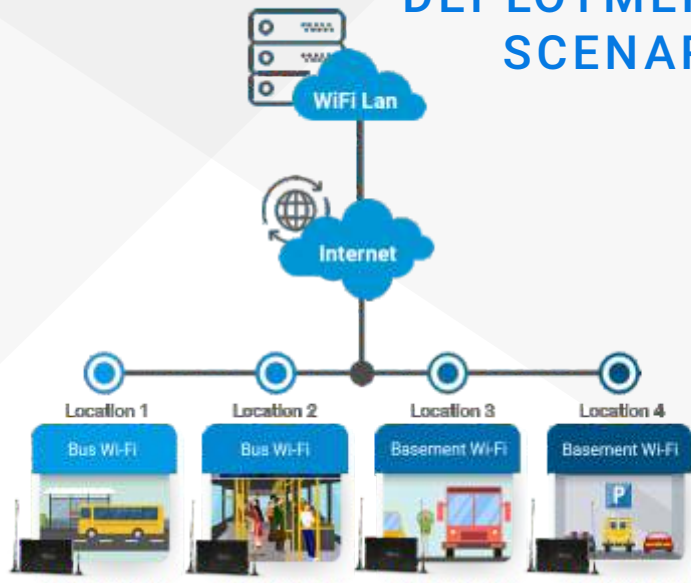
DATASHEET

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

Power Supply

Storage

Size and Weight

LED

Button

POE Power Support

Power Supply

TECHNICAL SPECIFICATIONS

MobiMax UM720AC

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)

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

- Max Range

- WiFi Antenna

- 1200 Mbps (Aggregated)

- 60 Feet

- 5dBi omni directional antenna