

Wifi-soft Datasheet

MobiMax MX705N Access Point

UniMax UM705AC is a 802.11n series wireless access point with a metal case body which is designed specially for vehicles like car's buses and train's. It can be powered by a 12V DC power supply or directly by the vehicle's battery. The rugged design makes it suitable for deployments with a lot of vibrations and dust. The access point comes with 10/100 1 LAN and 1 WAN port. It offer a maximum transmission rate of 300 Mbps and is backward compatible with IEEE 802.11 b/g equipment. It provides 1 USB 2.0 port for storage or a 3/4G dongle along with 1 Micro SD slot.



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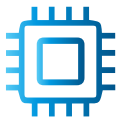
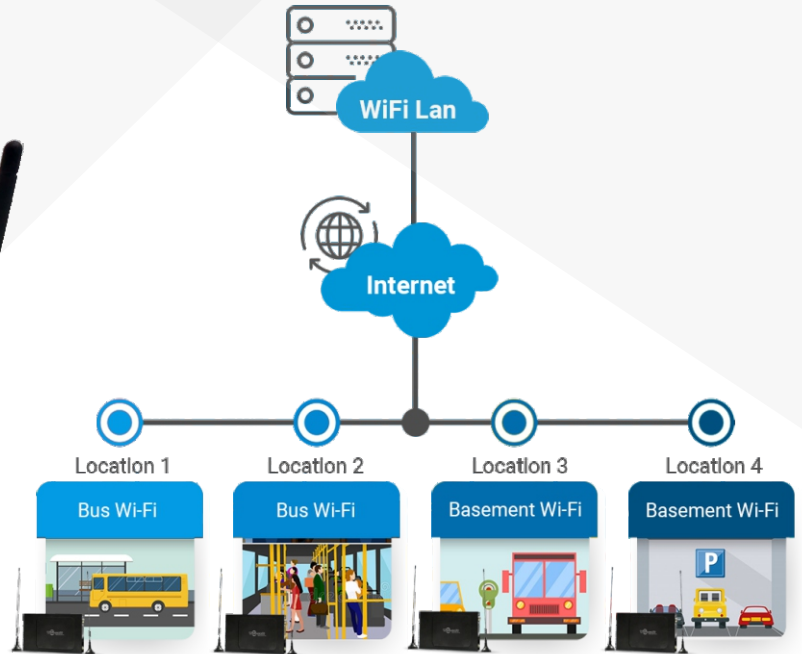
Wifi-soft MobiMax MX705N Access Point

D A T A S H E E T

Vehicular Access Point

DEPLOYMENT SCENARIO

MobiMax UM705 N ACCESSPOINT



Hardware

Standard

Wireless Technology

WiFi Frequency Band

Certification

Power Consumption

Device Interface

LED Light

Dimension

Power Supply

Antenna



TECHNICAL SPECIFICATIONS

IEEE 802.11 /b/g/n

2T2R MIMO Technology, Integrated LTE 4G Modem

2.4-2.4835 GHz, Channels 1-11

CE,FCC, RoHS

< 12W

One SIM card interface

One USB2.0 port

Two 10/100Mbps adaptive LAN interface, Auto MDI/MDIX Bracket with lock and key

Power, WPS, WiFi, WAN, LAN

170mm x105mm x 28mm

12V Car/Bus power supply

4 External detachable antenna; 2 for 2.4GHz and 2 for 3G/4G cellular networks



Software Features

Management

Max SSID

Authentication

Operating Mode Features

TECHNICAL SPECIFICATIONS



Cloud managed, Locally managed

4 Per Radio

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
Load balancing
Firewall
VPN
Network outage status
Isolated LAN support for both wired and wireless networks

0°C-40°C

-40°C-70°C

5%-95% Non-condensing

5%-95% Non-condensing

Environmental Features

Operating Temperature

Storage Temperature

Relative Humidity

Storage Humidity

RF Features

Max Data Rate

300Mbps

Max Range

60 Feet

Receive Sensitivity

802.11b -83dBm@10% PER
802.11g -74dBm@10% PER
802.11n -68dBm@10% PER

RF Output Power

802.11b 18dBm+2dBm
802.11g 15dBm+2dBm
802.11n 15dBm+2dBm

WiFi Antenna

5dBi omni directional antenna