



# MobiMax

Experience super fast connectivity,  
on the go, and anywhere.

## Introduction

Wireless enabled mobile networking is a paradigm that opens up new avenues and opportunities for people to stay connected, and communities to grow. There are various use cases for this paradigm. From transportation to remote offices, virtually all the places that lack a strong broadband infrastructure need WiFi solutions which are powered by LTE connectivity.

LTE connectivity, aggregated and disseminated through WiFi technology built on upgraded hardware elements provide mobile connectivity to people wherever they go. This connectivity can be utilized on the move, or in remote areas.

Modes of public transportation have evolved in a lot of ways since the past few decades. Transportation has gotten quicker and more efficient than ever, with inexpensive and safe modes of transportation now being accessible to all sections of society.

Almost one in two people today own a smartphone. Staying connected is a necessity today, many people continue to work on the go and finding connectivity while travelling can be quite challenging.

Corporates too are trying to find their way around connectivity issues on the go, employees want their employers to provide connectivity on their shuttling services. They need a solution which is easy to deploy and manage.

IoT applications can utilize WiFi as a medium to enable edge-computing for faster data processing.

As companies, institutions and government offices move towards digital transactions, 4G powered WiFi plays an important role in facilitating connectivity.

4G routers, engineered to provide great WiFi solve this problem.

We have built a solution that makes it easy for people to not only get the connectivity they need, but give it to them in a way which is seamless and reliable.

## Our solution, for you.

MobiMax UM-720AC is the latest innovation in mobile broadband technology that delivers fast WiFi connectivity using two cellular 4G LTE connections.

720AC is designed specifically for bringing seamless and affordable Internet connectivity in remote areas or mobile environments over 4G data streams. It comes in a metal case with a rugged, weather-proof enclosure that can be easily mounted on any surface. Based on 802.11ac standard, the access point can deliver data rates up to 1200 Mbps and support over 80 concurrent users. In addition, it has an optional SSD storage facility that can be used for storing or caching the content locally.

720AC is ideal for remote offices, mobile hotspots, IoT applications, transport telemetry and other mobile applications.

The router comes with dual-SIM and dual-modem configuration which provides redundancy and automatic failover between the cellular networks. 720AC also comes with a built-in hotspot service that works seamlessly with WiOS, our cloud-based Hotspot management platform, and can be easily managed and configured from the cloud controller.



## Mobile connectivity, everywhere.

MobiMax AP provides users with connectivity wherever they go. With data rates as high as 1200 Mbps and concurrency support to over 80 users, MobiMax enables people to work remotely and on the go.

Remote offices can deploy MobiMax across all their remote offices, transporters can use MobiMax for providing a comfortable travel experiences on their journeys.

Each 4G router is also hotspot-enabled, operators can run a full-featured hotspot service on the 4G router. It is ideal for operators who wish to run a hotspot service using the router and manage the Internet connectivity.

## Cloud-based, one stop management.

With MobiMax routers and cloud-based Hotspot controller, WiOS, all your core network elements such as device provisioning, configuration, monitoring and tracking, administration, troubleshooting and network operations are handled from a single pane window.

## Rugged, and built to last.

The 4G routers are designed with special power circuits that are needed to handle the power fluctuation in vehicular and outdoor environments. The power supply can regulate the power and absorb the voltage fluctuations in the power supply. This protects the internal circuits and protects it from damages.

With easy-to-install mounting kits for indoor and outdoor applications, setting up MobiMax takes less than 20 minutes. MobiMax routers come with detachable antennas ensure optimal 4G connectivity and RF coverage.

MobiMax provides both indoor and outdoor waterproof IP-65 enclosure that can be deployed in outdoor environments, ideal for vehicular installations and M2M / IoT applications.



## Faster connectivity

MobiMax comes with built-in dual 4G modem that allow both 4G connections to work in active-active configuration thus providing users with double the speed of a 4G connection, this bandwidth aggregation allows you to do more with your mobile connection and leverage the most out of our solution. With responsive failover mechanisms, MobiMax can effortlessly transition onto a standby LTE connection in case the primary LTE

connection fails. MobiMax's reliable load balancing mechanism makes sure that you are never disconnected from your work, or your peers.

## **Settle in quickly with plug-and-play.**

MobiMax is a simple plug-and-play product with zero touch provisioning. It is fully configured and managed through the central cloud platform. Plug and play configurations allow people to get connected with using strong WiFi services without having to spend a lot of time in setup and installation. Plug and play products are perfect for environments where time is a precious resource and they do not wish to waste time working around installation and configuration.

## **Watch your network, real-time.**

The central console facilitates high visibility into the network. MobiMax comes with an inbuilt system that pairs with WiOS's networking monitoring system, these systems working in conjunction provide feature-rich, deep network visibility. You can view the health and status of every MobiMax AP, live heat maps which give you coverage reports, and the entire network, in real-time through WiOS.

## **Get more with better design.**

MobiMax is a compact, lightweight and easy to install product which you can deploy in any environment.

All MobiMax APs use top-notch, Qualcomm chipsets which deliver high performance and reliable WiFi experiences.

With RoHS certification, we do more for you and for the environment. Our products are completely safe to use, provided that you follow the operating instructions properly.

MobiMax also comes with an external 4G antenna to improve the reception of cellular signals in weak areas. This provides better and more reliable connectivity for the end users.

### **Rich dashboard.**

Through WiOS, you can view user activity reports, bandwidth reports, system reports and event logs, collected from MobiMax routers from all the remote locations WiOS provide to you in an intuitive graphical dashboard which helps you take decisions to optimize the way your network functions, identify network issues, monitor client connections and allow you to extract the best out of your investment.

### **Future enabled.**

IoT devices are going to explode in the coming years. IoT networks uses many low-power technologies like LoRa, BLE, Z-Wave, etc. but they all need a gateway to connect various IoT nodes to the cloud. MobiMax Routers are ideal choice for IoT networks that need to perform edge-computing and provide reliable cloud-connectivity.

MobiMax can provide that WiFi connectivity to remote IoT devices and facilitate quick transfer of data from edge devices to processing centers over cloud.

### **Leverage our solution.**

MobiMax has crafted success stories all over the world. It has helped the disadvantaged enjoy access to internet -. Remote offices have received consistent connectivity allowing them to engage more and do more for their domain.

Transport operators have eased connectivity for their passengers with equipping MobiMax in their vehicles.

## Impactful solutions drive growth.

Enterprises, transport operators, remote offices and more. MobiMax has been adopted across domains. Here are a few ways in which MobiMax impacted people:

- Improved remote connectivity across multiple geographies
- Got people connected while on the move
- Provided entertainment on 15K buses
- Brought seamless connectivity to IoT networks
- Consumers experienced the power of WiFi

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