



MOFI4500-4GXLTE-SIM4

Spec Sheet

**Rugged Enterprise Router with Embedded Modem
with LTE Advanced (LTE 2) Technology & Carrier Aggregation
(LTE2 is fully backwards compatible with LTE)**

LTE Bands: B1, B2, B3, B4, B5, B7, B8, B12, B13, B17, B20, B25, B26, B30, B41

WCDMA Bands: B1, B2, B3, B4, B5, B8

850MHz, 900MHz, 1700MHz, 1800MHz, 1900MHz, 2100MHz

Support many providers including:

**AT&T, Verizon, Sprint, T-Mobile, MetroPCS, Vodafone, Telefonica, Orange, Rogers, Bell, Telus, Wind, Sasktel,
MTS, Videotron, MetroPCS and many more in North America & around the world**

Note Sprint support will not be ready until it is certified in the Sprint labs.

Verify before purchase if you are looking to use Sprint.

OVERVIEW

The MOFI4500-4GXeLTE-SIM4 is a high performance mission critical enterprise rugged metal router with a cellular embedded modem that supports the latest LTE Advanced technology made for businesses or customers that want the best signal reception and speed from AT&T, T-Mobile, Verizon, Sprint and many providers around the world including Bell, Rogers, Telus, Fido, Koodo, Videotron, MTS, Sasktel, Windmobile and more. Since this router includes bands 7, 12 & band 17, customers using the new 700MHz frequency will get the best performance with T-Mobile and many other providers including many in Canada. For Verizon customers, this new model has the latest in Verizon technology that includes XLTE frequencies and supports carrier aggregation that sets it apart from any other product offered.

With a compact wall mountable design, the MOFI4500-4GXeLTE-SIM4 is what installers asked for in a rugged metal enclosure made to work in a 24/7 environment. Business software includes Robust Fail Over, OpenVPN Server, IP Sec, Remote Cloud Management Interface, SMS Router Control via Your Cell Phone, Multi WAN, Advance Bandwidth/Speed Controls plus many more features including the ability to obtain a public static IP address on any provider direct from Mofi Network called Mofi Cloud.

Made to work for M2M applications, the MOFI4500-4GXeLTE-SIM4 router packs a powerful punch with its 2 x 5dBi Wifi external antennas that is able to push the Wifi signal as far as possible while maintaining the fastest speeds. Also includes 2 x 5dBi 3G/4G/LTE external antennas for the cellular signal that is able to get the strongest signal reception possible. You must have an active service plan from your provider to use.

Advanced Wireless Security

The MOFI4500-4GXeLTE-SIM4 creates a secure Wi-Fi® network by supporting the latest wireless security features to prevent unauthorized access. It supports many security options including 64/128-bit WEP, WPA, and WPA2 + more commercial grade security options to ensure that you will be able to secure your Wi-Fi network, regardless of your client devices. In addition, the 3G/4G/LTE mobile router utilizes dual active firewalls (SPI and NAT) to prevent potential attacks from across the Internet.

Easy to install and Use

Simply insert your SIM card in the side and run the wizard to set up your configuration you require, such as Wifi name, password and provider you want to use. If you want to monitor bandwidth use, slow down the internet, create multiple Wifi networks, obtain a static public IP address and more, all that is needed is a few clicks. For those that use the router in a critical situation, enable the MOFI Watchdog system that will reboot the router and send alerts if any issue is detected or just want a heart beat signal from the router at a selected interval.

USB + SD Card Storage Server

By connecting a USB stick/USB Hard Drive or an Micro SD memory card in the micro SD card slot, you can have access to all files on any device connected to the router. This is great for anyone who wants access to their music, video files or anything else on their tablet pc.

MAIN FEATURES

- First Multi Provider Category 6 Solution with carrier aggregation that will get you the fastest speeds (Works with Verizon, Sprint, AT&T, T-Mobile, all Canadian providers and other providers including support for Europe)
- Optional GPS model available
- Built in 3G/4G/LTE Cellular Embedded Modem with multiple LTE bands including the 700MHz range
- Ability to take a USB modem and share the internet connection via the usb port
- Advanced bandwidth monitoring, speed, bandwidth limits and restriction options
- SMS Router Control via your cell phone allows you to reboot, get status & more via text message
- Ability to see signal as well as to force a specific band if available to prevent unintentional band hopping
- Wall mountable small rugged metal design great for RV's, ATMs, Kiosks, Buses, Taxi Cabs & many other applications that require a stable internet connection with watchdog mission critical performance
- Remote Central Fleet Management Cloud Interface that works on private IP's as well
- Wireless Bridge/Repeater mode to extend your wireless range and/or have the ability to use an Ethernet connection with any Wifi signal including those from a hotspot device
- Mofi to Mofi VPN mode to allow a secure encrypted connection between offices.
- Ability to assign a static public IP address for any device that requires one (many providers do not give you a public IP address and you will need this for your DVR or anything that you need a direct connection from the outside.
- Android & iPhone USB Tethering Compatible (Plug in your Android phone via USB port to enable USB Tethering)
- Up to 7 Unique SSID/Networks with full control including Guest accounts
- MOFI Ad Blocker/Parental control built in to prevent annoying pop ups and increase the speed of your online experience.
- Full bandwidth monitoring where you can view the usage of every device connected and have ability to limit bandwidth/speed and other advance functions
- Parental screen to set automatic limit or access by time on any device connected
- Video games optimized mode for best online gaming experience including auto port forwarding for all Xbox, PlayStation and more.
- Super Fast (wireless speeds up to 300Mb/s full N speeds) up to 1000 ft range
- Virtual Private Network (VPN) + OPENSWAN IPsec and OpenVPN Support
- Multi-Wan with fail safe (if one connection fails, can set to auto connect to another)
- WiFi Fail Over (great for boater or anyone that gets free Wifi and only use 4G/LTE when not in range)
- Fail Safe Boot Loader than can restore router on bad flash or failed firmware update
- USB/Hard Drive/Micro USB Storage Server to share your files over the network
- USB Print Server to allow a regular USB inkjet printer become a network printer
- Full Advance Quality of Service (QOS Support)
- Detachable 7 inch 5dBi antennas allowing flexible gain performance antennas both wifi and 4G/LTE
- Dynamic DNS full support including customized option
- True DMZ not Pseudo DMZ Zone
- True IP-Pass-Through
- VPN Services & Termination - Device to Cisco, Linux, Juniper IPsec, L2TP & more
- Standalone VPN & DHCP Server
- Free Toll Free Technical Support and many more features included that is not listed here
- Custom firmware solution for customers requiring multiple units with included Cloud Management

Internal Module Specs:

LTE Category 6: 300Mbps DL, 50Mbps UL
HSPA+: 42Mbps DL, 5.76 UL
TD-HSDPA/HSUPA: 2.8Mbps DL, 2.2Mbps UL
EDGE: Multi Slot Class 12 236.8 kbps DL & UL
GPRS: Multi Slot Class 10 85.6 kbps DL & UL

Optional GPS Version:

MOFI4500-4GxLTE-SIM4-GPS
GPS, GLONASS, Beidou, Galileo

Frequency Bands:

LTE Band B1 (2100MHz)
LTE Band B2 (1900MHz)
LTE Band B3 (1800MHz)
LTE Band B4 - AWS (1700MHz),
LTE Band B5 (850MHz),
LTE Band B7 (2600MHz)
LTE Band B8 (900MHz)
LTE Band B12 (700MHz)
LTE Band B13 (700MHz)
LTE Band B17 (700MHz)
LTE Band B20 (800MHz)
LTE Band B25 (1900MHz)
LTE Band B26 (850MHz)
LTE Band B29 (700MHz)
LTE Band B30 (2300MHz)
LTE Band B41 (TD 2500MHz)

WCDMA Bands

B1, B2, B3, B4, B5, B8

UMTS (850/900/1700/1900/2100 MHz)

GSM/GPRS/EDGE (850/900/1800/1900 MHz)



Network Support

- 3G/4G/LTE connectivity via a 3G/4G/LTE USB Modem and cellular build in modem
- Carrier Aggregation
- DHCP, PPPoE, PPTP, PPP, ATM, Relay, DHCP and Static IP connectivity
- MAC cloning support, MAC filtering including default expect and deny
- IP/TCP/UDP/ICMP Application support
- Network Address Translation (NAT)
- DHCP Server/client DNS Relay
- Full Dynamic DNS support including custom support
- IPV4 and IPV6 Support
- Standalone DHCP Server

Wireless Support

- Modulation Support
- IEEE802.11b (DSSS): DBPSK: 1 Mbps, DQPSK: 2 Mbps, CCK: 5.5/11 Mbps
- IEEE802.11g (OFDM/DSSS): BPSK: 6/9 Mbps, QPSK: 12/18 Mbps, QAM-16: 24/36 Mbps, QAM-64 : 48/54 Mbps
- IEEE802.11n (OFDM/DSSS): BPSK, QPSK, QAM-16, QAM-64
- Frequency Band 2.4GHz – 2.4835GHz
- Wireless Security Support: WEP (64/128 bit), WPA-PSK Personal / WPA2-PSK Personal, TKIP, AES, Stealth AP (Hidden ESSID, Deny any Access), MAC Address Filtering, WPA-EAP, WPA2-EAP

Wireless Transmit Power

- 802.11b (1 antenna): 22 +/- 1 dBm
- 802.11g (1 antenna): 21 +/- 1 dBm
- 802.11n (2 antenna): 21 +/- 1 dBm

PHYSICAL SPECIFICATION

LED Indicators

- 1 x Power LED/Booting Status LED
- 4 x Ethernet Link Status LED
- 1 x WAN Link Status
- 1 x Wireless LAN Link Status LED
- 1 x Internet or 3G/4G/LTE Connection Status LED

External Connectors

- 1 x DC Jack for Power Input (110-220V input, 12V DC output, 9-18VDC Range)
(Recommended inline fuse for vehicle installations: 1 A fast-blow)
- 4 x RJ45 for LAN ports 10/100 (can be used as multi WAN ports)
- 1 x RJ45 for WAN port 10/100 (can be used as a LAN port)
- 1 x Front USB 2.0 Port
- 1 x Factory Default Reset/WPS Button
- 2 x 5 dBi External Reverse SMA Antennas for Wifi
- 2 x 5 dBi External SMA Antennas for 3G/4G/LTE cellular signal
- 1 x 2FF SIM Slot (full size SIM card), You must get SIM card from provider or current device
(SIM Card Adaptor Kit Available and might be Included in Package)

Physical Dimension

- 110 mm x 85 mm x 30 mm (4.3in x 3.3in x 1.2in)
- Weight 340gram or 0.75 lb

Temperature

- Operating: -30 to 70 degrees Celsius (-22 to 158 degrees Fahrenheit)
- Storage: -40 to 85 degrees Celsius (-40 to 185 degrees Fahrenheit)

Humidity

- Operating: 10% to 85% Relative Humidity (Non-Condensing)
- Non-Operating: 5% to 95% Relative Humidity (Non-Condensing)



NOTE : Specifications subject to change without prior notice.