



3G+ Unlocked USB Modem

14.4 Dual-band HSPA USB Modem



- High-speed wireless broadband where and when you need it
- Works at home, work, outdoors, hotels, airports, vehicles.....
- Plug-in SIM makes it easy to change service providers
- Micro-SD slot lets modem double as a flash drive

Model 4590

The Model 4590 provides easy Internet access almost anywhere. The 4590 supports data rates of up to 14.4 Mbps on downloads and 5.76 Mbps for uploads using a wide range of cellular data communications standards including: HSDPA, HSUPA, UMTS, GPRS, EDGE. Dual-band frequency support allows the Model 4590 to operate nearly anywhere GSM data service can be purchased in the form of a tiny card called a SIM.

The modem is activated by plugging in the SIM card from a service provider. Unlike other modems, the Model 4590 is not locked to a specific service provider and can use a data SIM from a variety of GSM service providers around the world. Some operators let customers get a SIM card for prepaid service and simply buy as much service as is needed. Some service providers also allow customers to sign up for a monthly billing "pay as you go" without a long-term contract commitment. A change to the service provider is accomplished by simply sliding out one provider's SIM and replacing it with another provider's SIM. It takes only seconds and maximizes flexibility in choosing data plans.

While the top speed of the Model 4590 is 14.4 Mbps, actual speeds also depend on the speed offered by the service provider in the area the modem is being used.

GSM frequencies can vary from country to country. The Model 4590 uses either of two frequencies, which provides broad compatibility with GSM-based mobile data services in countries around the world.

A micro-SD slot on the modem accepts a memory card for up to 16 GB (Gigabytes) of memory. A simple slide-in of a micro-SD memory card allows the modem to double as a flash drive to maximize the flexibility of available USB ports. The Model 4590 also comes with a short semi-rigid USB cable that allows the modem to be used in a hard-to-access USB ports and allows the modem's internal antenna to be positioned for the best reception in a location. On-board software includes a signal-strength meter, data usage tracker, automatic sign-in for popular service providers, and more.

The Model 4590 is made and supported by Zoom Telephonics, a leader in communications products since 1977.

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Specifications

Supported standards and speeds	HSDPA with up to 14.4 Mbps download HSUPA with up to 5.76 Mbps upload UMTS with up to 384 Kbps download and upload EDGE with up to 237 Kbps download and 118 Kbps upload GPRS with up to 85.6 Kbps download and 42.8 Kbps upload
Frequencies supported	GSM/GPRS/EDGE: 850/900/1800/1900 MHz UMTS/HSPA: 900/2100 MHz
Antenna	Two internal antennas, including 2100 MHz diversity antenna
Computer or router interface	USB 2.0
Power source	USB port powered by the host router or computer
SIM/USIM interface	Standard 6 PIN SIM card interface, compliant with 3GPP 31.101 and 3GPP 31.102
AT interface	3GPP TS 27.005/3GPP TS 27.007
Dimensions	88 mm X 26.5 mm X 10.5 (USB plug cap included) 3.5 inches X 1.0 inches X .4 inches
Weight	25 grams, .88 ounces
Indicators	Red/Green/Blue/Purple/Yellow LED indicator reports: - searching for the network - SIM/USIM problem - connected to Internet - transmitting data - type of connection: - HSPA - UMTS - EDGE - GPRS
Operating system support	Windows XP (SP2 or later), Vista, or 7, 32-bit or 64-bit Macintosh OS X, 10.5 or higher running on an Intel processor
Embedded software applications	Setup wizard, PIN1 account security, Short Message Service (SMS), Phonebook, Access Point Name (APN) auto management (Web address for modem), Complete Session Statistics, Simultaneous operation of SMS and data services
Additional hardware features	Micro-SD card slot supports up to 16 GB memory Semi-rigid USB cable allows optimal connection positioning and improved access to USB ports
Certifications	CE, RoHS, Microsoft WHQL (Windows Hardware Qualification Laboratory)
Warranty	One year
Package contents	- Modem with software on board - Semi-rigid USB cable - Quick Start documentation in English and Spanish



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