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# Modems



## U.S. Robotics Courier 56K\* Business Modem

### Everything and Everywhere Technology

#### Description

The U.S. Robotics Courier 56K\* Business Modem combines business-class performance and reliability with advanced V.92 and Everywhere Internet technology. Advanced Line Probing technology finds the fastest connection and maintains connections under poor line conditions. Includes advanced business features like global usage, Carrier Loss Redial, and Dial and Dialback Security. V.92 offers greater online flexibility and exciting new features: Modem on Hold, Quick Connect, and V.PCM Upstream. Trouble-resistant design works to keep you connected under adverse line conditions. Remote operation and global usage allow for connections, setup, and maintenance from almost anywhere. Supports most communication protocols, operating systems, and international phone systems.

\*Capable of receiving at up to 56K and sending at up to 48 Kbps (or 31.2 Kbps with V.90 server). Due to FCC regulations on power output, receiving speeds limited to 53.3 Kbps. Actual speeds may vary. V.92 and V.90 features require compatible phone service and support from your Internet Service Provider (ISP). U.S. Robotics modems featuring V.92 enhancements are backward compatible and will negotiate the highest possible speed when connecting to an ISP.

Order Code	Description	Price
G-USR013453C	US Robotics Courier 56K Business Modem	£149.00

#### FEATURES

- Everything technology supports all key ITU fax and data communications protocols
- Everywhere technology supports most country-specific telephone networks
- Advanced Line Probing technology finds the fastest connection and maintains connections under poor line conditions
- Compatible with both V.92 and V.90 standards
- Includes the latest V.92 enhancements: Quick Connect, Modem on Hold, and V.PCM Upstream
- Operating system independent compatible with computers running DOS, Windows 3.x/95/98/NT 4.0/2000/XP, UNIX, or Linux
- Universal power adapter automatically handles global power variations from 100 V to 240 V
- Remote Flash capability lets you upgrade Courier modems at remote locations from the convenience of your local office
- Dial and Dialback Security helps keep your networks safe ñ verifies or automatically calls back authorised callers before connecting
- Carrier Loss Redial automatically senses, redials, and re-establishes dropped remote connections creates a virtual leased-line connection between two modems over regular dial-up lines
- Synchronous mode and 2-wire leased-line support for legacy networks



## USRobotics Courier M2M 3G Cellular Modem (HSPA+ GSM)

#### Description

Secure Cellular M2M modem with simple programming options and strong provider partnerships already in place. The US Robotics Courier M2M 3G Cellular Modem is the latest in the Courier product line known around the world for its reliability, security, and performance for mission critical applications. This programmable modem is bundled with the robust Courier M2M Open AT application allowing bearer management, easier programming/configuration, simple GPS device control and asset tracking without the need to know complex programming languages or the need for an intelligent host. The industrial grade USB and Serial modem supports penta-band 3G HSPA+ with 2G compatibility and has GPS, digital I/O, and audio capabilities. This modem can support a wide variety of applications including remote management, Point of Sale, asset tracking, environmental monitoring, and Out of Band management.

Order Code	Description	Price
G-USR3500	USRobotics Courier M2M 3G Cellular Modem - USB & Serial ports PTCRB Carrier Approved, GSM/GPRS/EDGE/HSPA+ Speeds	£245.00
G-USR3506-ETH	USRobotics Ethernet Expansion Kit for USR3500	£39.95
G-USR3506-ACC	USRobotics Mobile Accessory Kit: DC Cable, GPS & GSM Antennas	£19.95



**USRobotics 56K\* Serial Controller Faxmodem Model 5630G**

**Description**

The USRobotics 56K\* Faxmodem combines superior performance of a controller-based modem and powerful tools for reliable communications. Machine to Machine data transport, remote access, and fax functionality work smoothly even over the worst lines and connect faster with V.22 Fast Connect reducing the connection sequence time allowing transaction data to be delivered and received faster. Reduce the electricity bill with this energy saver, 50% less energy while in use and 75% less when idle. The superior performance and reliability of this controller-based modem does the processing work so your computer won't have to, giving you smoother streaming audio and video. \*Capable of receiving at up to 56 Kbps and sending at up to 48 Kbps (or 31.2 Kbps with V.90 server). Due to FCC regulations on power output, receiving speeds are limited to 53.3 Kbps. Actual speeds may vary. V.92 and V.90 features require compatible phone service and support from your Internet Service Provider (ISP). U.S. Robotics modems featuring V.92 enhancements are backward compatible and will negotiate the highest possible speed when connecting to an ISP.



**FEATURES**

- Controller-based (hardware) modem works with the widest range of operating systems and handles all communication processing tasks for faster throughput
- Send faxes from any Windows application and receive faxes from the world, includes delayed and broadcast faxing capability
- Software upgradable so you can take advantage of USRobotics enhancements without buying a new modem
- Stay connected under even the worst line conditions with our exclusive USRobotics Line Probing Technology no other brand has it!
- Reduce electricity costs the modem uses 50% less energy when in use and 75% less when idle.
- Built-in processor enables smoother streaming audio/video
- Take incoming calls while online without losing your Internet connection

Order Code	Description	Price
<b>G-USR015630G</b>	USRobotics 56K 'Sportsster' External Serial Data/Fax Modem V92 + V.22 UK power supply + telephone adapter included	<b>£67.50</b>

**USRobotics 56K\* USB Controller Modem with Voice Model 5637**

*High-performance streamlined*

**Description**

The USRobotics 56K\* USB Modem combines USB convenience, multi-OS compatibility (Windows/Mac/Linux) with the feature-rich advantages of V.92 and voice capabilities. Cut dial-up connection time with Quick Connect; identify incoming calls while online; send e-mail and attachments faster; and make and receive calls while on-line with the USRobotics Modem on Hold application. Also supports faxing to and from your computer, is USB port powered so it requires no external power supply, and is hot-swappable so you don't have to reboot to install or remove. Global approvals allow for installations all over the world. \*Capable of receiving at up to 56 Kbps and sending at up to 48 Kbps (or 31.2 Kbps with V.90 server). Due to FCC regulations, receiving speeds limited to 53.3 Kbps. Actual speeds may vary. V.92 and V.90 features require compatible phone line and support from your Internet Service Provider (ISP). USRobotics modems featuring V.92 enhancements are backward compatible and will negotiate the highest speed possible when connecting to an ISP. Voice upgrade via www.usr.com/uk.



**FEATURES**

- Install with the Plug and Play convenience of USB hot swappable design, doesn't need an additional power supply for operation
- Take incoming calls while online without losing your Internet connection
- Send faxes from any Windows application and receive faxes from the world
- Travels Easily Small and light with no need for an external power supply
- Use it with any of your computers Windows, Mac or Linux
- Voice capability for extended business applications
- Software upgradable so you can take advantage of USRobotics® enhancements without buying a new modem

Order Code	Description	Price
<b>G-USR805637</b>	USRobotics 56K External USB ControllerData/Fax/Voice Modem V92/V22 (PC, MAC & Linux)	<b>£50.55</b>

**USRobotics 56K\* V.92 PCI Express Faxmodem Model 5638**

*Simple, affordable PCIe to fit any PCI Express slot*

**Description**

The USRobotics 56K\* PCI Express Faxmodem combines wide Microsoft compatibility including Win 7, Server 2008, 64 bit and POSReady operating systems which mean POS and Machine to Machine data transport, remote access, and fax functionality work smoothly. This single lane PCIe modem fits any lane size including both full height and low profile brackets, making this an easy install for any system from single servers to mass POS installations. Approvals for both US and Europe make this an easy choice when standardizing systems that need a PCIe internal modem. Fully compatible with V.92 and lower for connections.



\* Capable of receiving at up to 56 Kbps and sending at up to 48 Kbps (or 31.2 Kbps with V.90 server). Due to FCC regulations on power output, receiving speeds are limited to 53.3 Kbps. Actual speeds may vary. V.92 and V.90 features require compatible phone service and support from your Internet Service Provider (ISP). U.S. Robotics modems featuring V.92 enhancements are backward compatible and will negotiate the highest possible speed when connecting to an ISP.

**FEATURES**

- Fits into any PCI Express slot, no matter the lane size full height or low profile brackets included
- Compatible with POS Ready making it ideal for compact POS systems
- One common driver makes installation easy across multiple OSs
- Send faxes from any Windows application and receive faxes from the world

Order Code	Description	Price
<b>G-USR5638</b>	USRobotics 56k Internal PCIe Express Card Data/Fax Modem V92 with Standard & Low profile brackets	<b>£18.95</b>

**USRobotics 56K\* USB Softmodem Model 5639**

*Simple, affordable USB*

**Description**

The USRobotics 56K\* USB Softmodem delivers the performance and reliability USRobotics is known for in a compact, cost effective form factor. Broadly compatible with Windows including 64 bit and server systems. Features include ring detection and qualification eliminating unintended wake-on-ring events due to activity on the phone line other than ringing, as well as handling pulse dial control to eliminate system timing dependencies common with soft modems. The USRobotics USB Softmodem is fully compatible with V.92 and lower rates, making it ideal for compact POS solutions that only require V.34.



\* Capable of receiving at up to 56 Kbps and sending at up to 48 Kbps (or 31.2 Kbps with V.90 server). Due to FCC regulations, receiving speeds limited to 53.3 Kbps. Actual speeds may vary. V.92 and V.90 features require compatible phone line and support from your Internet Service Provider (ISP). USRobotics modems featuring V.92 enhancements are backward compatible and will negotiate the highest speed possible when connecting to an ISP.

- Call Waiting and Caller ID require service from your local phone company.

**FEATURES**

- Install with the Plug and Play convenience of USB hot swappable design, doesn't need an additional power supply for operation
- Travels Easily Small and light with no need for an external power supply
- Compatible with V.92 and lower rates- ideal for compact POS solutions

Order Code	Description	Price
<b>G-USR5639</b>	USRobotics 56K External USB Data/Fax Modem V92 (Windows compatible)	<b>£30.50</b>

**56K PCI Fax Modem**

Includes V.92 and V.90 ITU standard technologies

**Description**

The U.S. Robotics 56K\* PCI Fax Modem harnesses the processing power of your home computer to make V.92 technology affordable and practical for home use. Quick Connect cuts down on your dial-up connection time and gets you online quicker. Modem on Hold lets you take incoming voice calls on your PC while you surf the Web so you won't miss those important calls. V.PCM Upstream gives you upload speeds up to 50% faster, perfect for sending e-mails with attachments. A suite of fax and communications software is included to make your online time more fun and productive.

\* Capable of receiving at up to 56 Kbps and sending at up to 48 Kbps (or 31.2 Kbps with V.90 server). Due to FCC regulations, receiving speeds limited to 53.3 Kbps. Actual speeds may vary. V.92 and V.90 features require compatible phone line and support from your Internet Service Provider (ISP). U.S. Robotics modems featuring V.92 enhancements are backward compatible and will negotiate the highest speed possible when connecting to an ISP.

• Call Waiting and Caller ID require service from your local phone company.

**FEATURES**

- Compatible with both V.92 and V.90 standards
- Includes the latest V.92 enhancements: Quick Connect, Modem on Hold, and V.PCM Upstream
- Simple Plug and Play installation
- Full-featured fax and communications software included
- Caller ID support
- Send faxes from any Windows application



Order Code	Description	Price
G-USR805671	USRobotics 56k Internal PCI Data/Fax Modem V92 'Low Profile' and 'Standard' brackets supplied.	£17.95

**PX100**

**Description**

The FSO PX100 series of products provides reliable and secure point-to-point wire speed Fast Ethernet connectivity from 20 to 5000 metres. Due to its neutral environmental and health effects these units are suitable for indoor or outdoor application. PX100 series products feature industry standard interfaces and Power over Ethernet (PoE) (on selected models) interface with advanced Anypower technology, which allows operation both from standard PoE or HighPoE power sources. PX100 systems integrate enhanced device management platform. Remote monitoring of the equipment through a standard web browser, SNMP manager, or FSO monitoring software. Because they use infrared light as a transmission medium, FSO systems do not require frequency licences. The transmission is not effected by electro-magnetic interference. Due to the concentrated laser beam the PX100 products provide superb security, which fulfils the highest requirements.

**FEATURES**

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|--|---|
| <p>Electrical characteristics</p> <ul style="list-style-type: none"> <li>• Light source LaserDiode</li> <li>• Laser diode power 35 mW</li> <li>• Detector SiAPD Photodiode</li> <li>• Dynamic range ~42 dB</li> <li>• Bandwidth 100Mbps full duplex</li> <li>• Management Web based SNMP compatible</li> </ul> <p>In-band management</p> <ul style="list-style-type: none"> <li>• Physical characteristics</li> <li>• Weight 5-25 kgs</li> </ul> | <p>Optical characteristics</p> <ul style="list-style-type: none"> <li>• Wavelength 785 nm</li> </ul> <p>Environment</p> <ul style="list-style-type: none"> <li>• Operating temperature -40° to +60° C</li> <li>• Storage temperature -0° to +80° C</li> </ul> <p>Power</p> <ul style="list-style-type: none"> <li>• Internal PSU power 115/230 VAC ~ 50Wh</li> <li>• Power to the head POE Compatible 48 vDC</li> </ul> |
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Order Code	Description	Max Distance	Price
G-PX-P0100E100TP	PlutoNext link 100BaseTX Fast Ethernet IF 20-100m distance. POE power supply, installation kit	100 M	£1,395.00
G-PX-P0200E100TP	PicoNext link 100BaseTX Fast Ethernet IF 20-200m distance. POE power supply, installation kit, SNMP web management included	200 M	£1,795.00
G-PX-P0350E100TP	PicoNext link 100BaseTX Fast Ethernet IF 200-350m distance. POE power supply, installation kit, SNMP web management included	350 M	£1,795.00
G-PX-P0650E100TP	PintoNext link 100BaseTX Fast Ethernet IF 350-650m distance. POE power supply, installation kit, SNMP web management included	650 M	£3,380.00
G-PX-P1800E100TP	ProntoNext link 100BaseTX Fast Ethernet IF 650-1800m distance. POE power supply, installation kit, SNMP web management included.	1800 M	£5,495.00
G-PX-P3000E100TP	GD3000 link 100BaseTX Fast Ethernet IF 1800-3000m distance. 48Vdc power supply, installation kit, SNMP web management included	3000 M	£8,250.00
G-GD-5000E100TP	GD5000 link 100BaseTX Fast Ethernet IF 3000-5000m distance. 48Vdc power supply, installation kit, SNMP web management included	5000 M	£12,850.00



**Gigapinto**

**Description**

The 1000MB RANGE products are the fifth generation of compact free space laser based systems from FSO designed to deliver a cost-effective solution for high speed wireless connectivity. The laser transmission carries the data using the concentrated laser beam and a unique modulation technique is employed to ensure error free data transfer over distances up to 3500 metres. The transparent and wire speed data transfer together with virtually zero latency assures the easy integration of the system in all environments. Because they use infrared light, FSO systems do not require frequency licences and the transmission is not affected by electro-magnetic interference.

**FEATURES**

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|--|--|
| <p>Electrical characteristics</p> <ul style="list-style-type: none"> <li>• Light source LaserDiode</li> <li>• Laser diode power 25 mW</li> <li>• Dynamic range ~42 dB</li> <li>• Bandwidth 1000Mbps full duplex</li> <li>• Management Web based SNMP compatible</li> </ul> <p>Physical characteristics</p> <ul style="list-style-type: none"> <li>• Weight 5-25 kgs</li> </ul> <p>Optical characteristics</p> <ul style="list-style-type: none"> <li>• Laser class Class 1M</li> </ul> | <p>Environment</p> <ul style="list-style-type: none"> <li>• Operating temperature -40° to +60° C</li> <li>• Humidity 95% non condensed</li> </ul> <p>Network</p> <ul style="list-style-type: none"> <li>• Fast Ethernet Interface 1000 Base-T, RJ45 / FO optional</li> </ul> <p>Power</p> <ul style="list-style-type: none"> <li>• Internal PSU power 115/230v AC ~ 50Wh</li> <li>• Power to the head POE Compatible 48 vDC</li> </ul> |
|--|--|

The concentrated laser beam is extremely hard to tap, even to discover. Basically, the FSO link can be considered as a virtual fibre in the air. The FSO 1000MB RANGE system comprises of two Laser Heads, and two High Power POE power supply. The Laser Heads are installed outdoors, where a clear optical path exists between the two sites. The system contains built-in signal monitoring unit, which features a visual signal strength indicator and LINK status information LCD display accessible on the rear of the laser head. By utilizing standard network interfaces, FSO systems protect the customers' investments in long-term projects. Moreover, 1000MB RANGE systems offer high level of network flexibility due to their extremely fast installation method, which makes them ideal to follow network topology changes.

Order Code	Description	Max Distance	Price
G-PX-P0400E1000	GigaPicoNext link 1000BaseTX/FX Gigabit Ethernet IF 20-400m distance. POE power supply, installation kit, SNMP web management included	400 M	£4,349.00
G-PX-P6500E1000	GigaPintoNext link 1000BaseTX/FX Gigabit Ethernet IF 400-650m distance. POE power supply, installation kit, SNMP web management included	650 M	£7,495.00
G-PX-AT-P2400E1000	GigaPicoNext link 1000BaseTX/FX Gigabit Ethernet IF 100-500m distance. POE power supply, installation kit, SNMP web management included, Auto Focus	2400 M	£9,999.00
G-PX-P3500E1000TP	SuperGig link 1000BaseTX/FX Gigabit Ethernet IF 1400-3500m distance. 48v power supply, installation kit.	3500 M	£16,650.00



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