



# 3G Extend Family

3G Extend wireless bridge devices work with any Firebox® X Edge e-Series security appliance and supported 3G wireless modem/service plan to provide wireless connectivity when and where you need it.

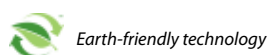
It's easy to add 3G wireless connectivity to a Firebox X Edge e-Series security solution to maximize equipment uptime and ROI. This family of compact devices enables cellular connectivity that can be used for either primary or backup Internet services. It provides the ultimate flexibility to meet your specific needs with over 50 supported modem cards and ISP providers.

Easily add wireless connectivity when and where you need it for **maximum flexibility and network uptime.**



## Cellular Connectivity for WatchGuard® Firebox® X Edge Appliances

At a Glance	Benefits
<p><b>Supports over 50 cellular radio modems</b></p>	<ul style="list-style-type: none"> <li>Brings the Internet to all remote areas or locations – without cables</li> <li>Includes a wide variety of Internet service provider plan options for maximum flexibility</li> </ul>
<p><b>Provides both primary and failover 3G connection</b></p>	<ul style="list-style-type: none"> <li>Gives your business a faster alternative to POTS for redundancy in WAN failover from a cabled connection</li> <li>Guarantees there will be no single point of failure</li> </ul>
<p><b>Combines best-of-breed 3G connectivity and network security</b></p>	<ul style="list-style-type: none"> <li>Offers huge flexibility to deploy WWAN when and where you need it, as part of your Firebox X Edge solution</li> <li>Reduces risk from a single point of failure when compared with all-in-one products that build 3G connectivity capabilities into the firewall</li> </ul>
<p><b>Easily add, remove, or transfer the 3G connection between installed or new appliances</b></p>	<ul style="list-style-type: none"> <li>Delivers better total cost of ownership (TCO) by enabling a quick change of either the 3G Extend device or Edge appliance as new technology becomes available</li> <li>Eliminates the need to replace the entire solution when new technologies are ready to be incorporated</li> </ul>
<p><b>Competitively priced</b></p>	<ul style="list-style-type: none"> <li>Enables you to take advantage of this solution today in support of your network uptime and productivity goals</li> </ul>
<p><b>Interoperability</b></p>	<ul style="list-style-type: none"> <li>Works with any Firebox X Edge e-Series security appliance</li> </ul>
<p><b>Ease of use</b></p>	<ul style="list-style-type: none"> <li>Connects easily to Firebox X Edge appliances, with no additional requirements for software, drivers, and interfaces</li> <li>Offers the simplicity of plug-and-play functionality in a best-of-breed technology</li> <li>Allows your business to handily keep up with changes in size, locations, and business needs with a 3G device that can be deployed at any site protected by a Firebox X Edge e-Series firewall</li> </ul>
<p><b>How it works</b></p>	<ul style="list-style-type: none"> <li>Purchase a WatchGuard 3G Extend wireless bridge when you buy a Firebox X Edge e-Series appliance – or buy a 3G Extend device by itself as an upgrade for an existing Edge e-Series appliance. Add a cellular modem (provided by your ISP when you sign up for service), follow the simple set-up instructions, and you're ready to go. It's that easy.</li> </ul>





## What Can WatchGuard® 3G Extend Do for Your Business?

Save money. Open new business opportunities. Keep remote and temporary operations securely connected to the main network. Protect network uptime. WatchGuard® 3G Extend can deliver all these benefits for your business, with cellular connectivity that is affordable, flexible, and easy to deploy.

### Remote Office ISP Connection

For remote areas that lack access to anything better than POTS (plain old telephone service), cellular connection to the Internet is an attractive option. For a very small cost investment, you can use WatchGuard 3G Extend for business connections in these remote areas – for example, to do on-the-spot lookups on credit cards. It is also a convenient and flexible way to connect into main office resources from far-flung locations.

### Kiosk or ATM ISP Connection

Some of the most popular applications of 3G technology are found in retail. Companies that want to enable electronic payment using credit/debit cards for products or services from a machine located at a client's site need an ISP connection. WatchGuard 3G Extend is the perfect solution. You won't need cables to complete sales transactions, while providing customers convenience and security.

### WAN Failover

Looking for a better performance option on your WAN failover alternative? If you're using POTS for WAN failover, the slow performance will be costly in the event of failover. WatchGuard 3G Extend delivers better performance and provides an affordable backup to maximize network uptime.

## Technical Specifications\*

### Cellular Wireless Supported Cards\*\*

#### WG8550 3G Extend PCMCIA (North America only)

- CDMA/EVDO: Sierra AirCard 580, 555, PC5220; Kyocera KPC650; Novatel V620, S620; Merlin C386, C201; Huawei EC500, EC321; ZTE MC310; Ustarcom/Audiovox PC5220; Yiso
- EDGE: Option Globe Trotter EDGE; SonyEricsson GC83
- EVDO Rev. A: Sierra AirCard 595, 597E; Huawei EC360; Novatel V740, S720; Ustarcom/Audiovox PC5740; Pantech PX-500
- GPRS/UMTS: Sierra AirCard 750, 850, 860; Novatel Merlin U530, U630
- HSDPA/HSUPA: Sierra AirCard 881, 875; Novatel U730, U740; Option Globe Trotter GT Max "7.2 Ready", GT Max, GT Max HSUPA, HSDPA "7.2 Ready", HSDPA, Fusion + HSDPA, Express 7.2; Huawei E620, E630, E660A; ZTE MF332; SonyEricsson PC300; Onda H600, N501HS, ET501HS

#### WG8650 3G Extend USB (all regions)

- ALLTEL: Huawei EC168/EC228, Pantech UM175/150, UTStarcom UM150
- CLEAR: USB Modem, ZTE TU25
- AT&T: Option QuickSilver, Sierra Wireless 881U/875U, USBConnect 881, USB Connect Mercury, plus AT&T phones and ExpressCards
- E-MOBILE: D02HW, D11LC, D12LC, D21HW, D21LC
- ROGERS (Canada): Novatel MC950D, ZTE MF636, ExpressCard - Novatel X950D
- SPRINT (3G): Franklin CDU-550/680/U300, Novatel U720/727/760, Sierra Wireless 595U/Compass 5957U/Compass 598U, plus Sprint phones and ExpressCards
- SPRINT (4G): Franklin U300, ZTE TU25
- SOFTBANK: C01LC
- TELEUS: Sierra Wireless 595U
- VERIZON: Novatel USB720/USB727/USB760, Sierra Wireless 595U, UTStarcom UM150/UM175, plus phones and ExpressCards
- NTELOS: Franklin CDU-680
- GENERIC UMTS/GSM Devices: Huawei E220, Novatel MC930D/MC950D, Sierra Wireless 880U/885U, ZTE MF626

### Management

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| <ul style="list-style-type: none"> <li>▪ User-friendly Web UI (third party provider)</li> <li>▪ Traffic and Event Log</li> <li>▪ Setup Wizard</li> <li>▪ Multiple Cellular Data Network Dial Up Mode</li> <li>▪ WWAN Session and Status Monitoring</li> <li>▪ Browser Firmware Upgradeable</li> </ul> | <ul style="list-style-type: none"> <li>▪ User-friendly Web UI (third party provider)</li> <li>▪ No configuration required</li> <li>▪ Two operating modes (configuration and IP Pass-Through)</li> <li>▪ Always-on signal strength meter</li> </ul> |
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### Interface

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| <ul style="list-style-type: none"> <li>▪ Wired: 10/100Base-T (LAN)</li> <li>▪ Wireless: 3G/4G Cellular Network PCMCIA Slot</li> <li>▪ Serial: D-Sub RS232 Connector</li> </ul> | <ul style="list-style-type: none"> <li>▪ LAN: 10/100 Base-T LAN</li> <li>▪ WWAN: 3G ExpressCard, 3G USB Modem</li> </ul> |
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### Physical Specifications

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| <ul style="list-style-type: none"> <li>▪ Dimension: 5.7" x 5.5" x 1.2" (145 x 140 x 30 mm)</li> <li>▪ Weight: 0.25 kg</li> </ul> | <ul style="list-style-type: none"> <li>▪ Dimension: 4.8" x 2.8" x 0.8" (122 x 73 x 18.5 mm)</li> <li>▪ Weight: 3.5 oz. (128g)</li> </ul> |
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### Environment Specifications

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| <ul style="list-style-type: none"> <li>▪ Operating Temperature: 0°-40° C</li> <li>▪ Operating Humidity: 10-85% (non-condensing)</li> </ul> | <ul style="list-style-type: none"> <li>▪ Operating Temperature: 0 C to 50C (32F to 122F)</li> <li>▪ Operating Humidity: 10-85%</li> </ul> |
| <ul style="list-style-type: none"> <li>▪ Storage Temperature: -20° to 70° C</li> <li>▪ Storage Humidity: 5-90% (non-condensing)</li> </ul> | <ul style="list-style-type: none"> <li>▪ Storage Temperature: -20C to 70C (-4F to 158F)</li> <li>▪ Storage Humidity: 5 - 90%</li> </ul>   |

### Power Supply

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| <ul style="list-style-type: none"> <li>▪ 100/240 VAC worldwide support across 3 power supplies, 5V</li> </ul> | <ul style="list-style-type: none"> <li>▪ 5VDC 2.5-3.0A; 100-240 AC</li> </ul> |
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### Certifications

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| <ul style="list-style-type: none"> <li>▪ FCC Part 15</li> </ul> | <ul style="list-style-type: none"> <li>▪ FCC Part 15 Class B, CE</li> </ul> |
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\* Performance varies greatly depending on 3G carrier plan, region, number of users, and other characteristics – specifications are not guaranteed. Proof of concept testing is an important part of every wireless installation and is a best practice for the 3G Extend solution.

\*\*For more information on supported cards and phones, visit [www.watchguard.com/3G](http://www.watchguard.com/3G). Check with your local cellular service provider for a list of supported modems in your region.

Address: 505 Fifth Avenue South, Suite 500, Seattle, WA 98104 • Web: [www.watchguard.com](http://www.watchguard.com) • U.S. Sales: 1.800.734.9905 • International Sales: +1.206.613.0895

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