

# M2M WG3G+ Modem

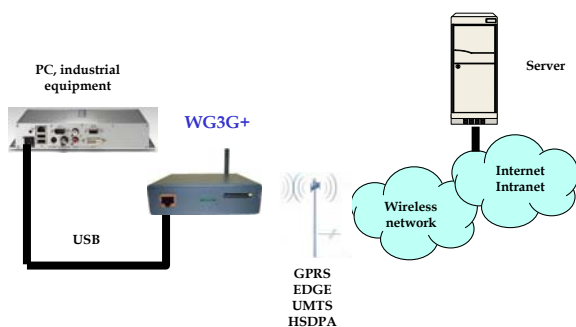
Through a simple USB connection, the Webdyn **WG3G+ modem** enables you to connect to the Internet and emails using the latest **HSDPA** wireless network technology, at a **speed** of up to 3.6 megabits per second.

## WG3G+ modem

The WG3G+ modem has a very compact design that includes all of the user and network interfaces: external power supply, USB card, and GSM antenna.



The WG3G+ modem works as a tunnel, ensuring transit between a terminal's USB flow and the HSDPA wireless network. The WG3G+ modem is a simple, cost-effective alternative for connecting a remote site or equipment (normal or backup connection) to a company's internet or intranet. Compatible with all European, African, and Asian wireless networks (single-band 2100 MHz for HSDPA/UMTS technology or dual-band 900 MHz/1800 MHz for GSM/EDGE/GPRS technology), the WG3G+ modem allows you to access the Internet and emails at throughputs of up to 3.6 megabits per second, based on coverage or subscription.



## Installation

Once a PC is connected to the USB port, the WG3G+ is recognized as a new USB device. WG3G+ can be installed through the standard Window tools and drivers that are provided with the modem.

## WG3+ Applications

The WG3G+ modem allows you to connect a PC or industrial equipment (M2M) to an Internet network through a high bandwidth wireless connection (main or backup). It is particularly tailored to:

- Applications located in areas where there is no high bandwidth Internet provider,
- Mobile applications
- Applications where the device must be independent from the local infrastructure.



## Interfaces and power supply

- 12-v power supply
- USB 2.0 (maximum speed)
- External antenna with SMA connector
- 1.8 v & 3 v UICCs and SIM card interface
- Pushbutton opening for SIM card slot
- 3 LED signals: connection status and signal strength
- R&TTE, GCF and CE compliant



## Technical Features: WG3G+ Modem

| General Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Transfer rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <ul style="list-style-type: none"> <li>• HSDPA 3.6 megabits per second</li> <li>• Single-Band UMTS/HSDPA (WCDMA/FDD) 2100 MHz</li> <li>• Dual-Band GSM 900/1800 MHz</li> <li>• EDGE (E-GPRS) multi-slot class 10</li> <li>• GPRS multi-slot class 10</li> <li>• UMTS/HSDPA 3GPP release 5</li> <li>• GSM 3GPP release 99</li> <li>• Output power:               <ul style="list-style-type: none"> <li>- Class 4 (2 W) for GSM900</li> <li>- Class 3 (0.25 W) for UMTS</li> <li>- Class E2 (0.5 W) for EDGE900</li> <li>- Class E2 (0.4 W) for EDGE1800</li> <li>- Class 1 (1 W) for GSM1800</li> </ul> </li> <li>• Input / Consumption:               <ul style="list-style-type: none"> <li>- Standby mode 50 <math>\mu</math>A</li> <li>- Average current &lt; 970mA</li> </ul> </li> <li>(data transfer HSDPA mode)</li> <li>• Temperature range               <ul style="list-style-type: none"> <li>- Normal operation: -30°C to +65°C</li> <li>- Restricted Operation: -30°C to +75°C</li> <li>- Shut off: +85°C</li> <li>- Storage: -40°C to +85°C</li> </ul> </li> <li>• Dimensions: 80 x 95 x 27 mm</li> <li>• Weight: approx. 25g</li> </ul> | <p><b>HSDPA transfer mode:</b></p> <ul style="list-style-type: none"> <li>• HSDPA: max. 3.6 mbps (DL), max. 384 kbps (UL)</li> <li>• UE CAT [1-6], 11, 12</li> <li>• Packed mode compliant with the 3GPP TS25.212 standard</li> </ul> <p><b>UMTS transfer mode:</b></p> <ul style="list-style-type: none"> <li>• UMTS: max. 384 kbps (DL), max. 384 kbps (UL)</li> </ul> <p><b>EDGE transfer mode:</b></p> <ul style="list-style-type: none"> <li>• EDGE class 10: max. 236.8 kbps (DL), max. 118 kbps (UL)</li> <li>• Mobile station class B</li> <li>• MCS 1-9 modulation and coding</li> </ul> <p><b>GPRS transfer mode:</b></p> <ul style="list-style-type: none"> <li>• GPRS class 10: max. 85.6 kbps (DL), max. 42.8 kbps (UL)</li> <li>• Mobile station class B</li> <li>• PBCCH compatible</li> <li>• CS 1-4 Coding</li> </ul> <p>(DL) Download Link, transfer from the Internet to a terminal<br/>           (UL) Upload Link, transfer from a terminal to the Internet</p> |



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