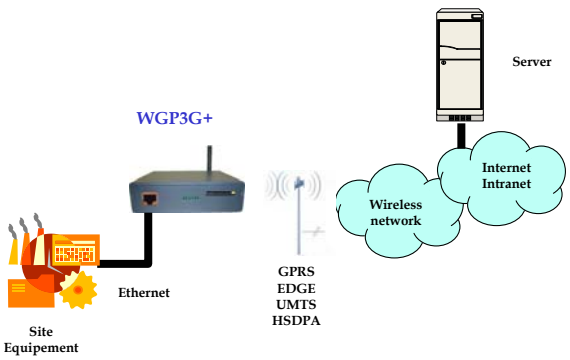
# M2M WGP3G+ HSDPA Ethernet Gateway

Ethernet 3G+ gateways allow you to connect any type of IP equipment to the latest **HSDPA** wireless network technology at a speed of up to **3.6 megabits per second**.

## WGP3G+ gateway

The Webdyn WGP3G+ gateway has a very compact design that includes 10/100 Ethernet and HSDPA network interfaces, as well as user interfaces: external power supply, SIM card, and GSM antenna.


The WGP3+ gateway works as a router, ensuring transit between the IP ethernet flow and HSDPA wireless network. The WGP3+ gateway is a simple, cost-effective alternative for connecting a remote site or equipment to a company's internet or intranet. Compatible with all European, African, and Asian wireless networks (single-band 2100 MHz for HSDPAD/UMTS technology or dual-band 900 MHz/1800 MHz for GSM/EDGE/GPRS technology), the WGP3G+ gateway allows you to access the Internet at throughputs of up to 3.6 megabits per second, based on coverage or subscription.




## Installation

The WGP3+ gateway is configured entirely through an integrated Web server. Users can manage their IP Ethernet configuration (static, dynamic), as well as all of the settings for their high bandwidth wireless WAN connection through an HTML interface.

## WGP3+ Applications

The WGP3G+ gateway has numerous applications. The WGP3G+ gateway allows you to connect a site 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
- Remote site wireless applications as backup to a main WAN connection.

## Interfaces and power supply

- 12-volt power supply, RJ12 connector
- 10/100 megabit Ethernet
- 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: WGP3G+ Gateway

| General wireless features | Transfer rate |
|---|---|
| • HSDPA 3.6 megabits per second<br>• Single-Band UMTS/HSDPA (WCDMA/FDD) 2100 MHz<br>• Dual-Band GSM 900/1800 MHz<br>• EDGE (E-GPRS) multi-slot class 10<br>• GPRS multi-slot class 10<br>• UMTS/HSDPA 3GPP release 5<br>• GSM 3GPP release 99<br>• Output power:<br>- Class 4 (2 W) for GSM900<br>- Class 3 (0.25 W) for UMTS<br>- Class E2 (0.5 W) for EDGE900<br>- Class E2 (0.4 W) for EDGE1800<br>- Class 1 (1 W) for GSM1800<br>• Input / Consumption:<br>- Standby mode 50 µA<br>- Average current < 970mA (data transfer HSDPA mode)<br>• Temperature range<br>- Normal operation: -30°C to +65°C<br>- Restricted Operation: -30°C to +75°C<br>- Shut off: +85°C<br>- Storage: -40°C to +85°C<br>• Dimensions: 120 x 95 x 27 mm<br>• Weight: approx. 50g | **HSDPA transfer mode:**<br>• HSDPA: max. 3.6 mbps (DL), max. 384 kbps (UL)<br>• UE CAT [1-6], 11, 12<br>• Packed mode compliant with the 3GPP TS25.212 standard<br><br>**UMTS transfer mode:**<br>• UMTS: max. 384 kbps (DL), max. 384 kbps (UL)<br><br>**EDGE transfer mode:**<br>• EDGE class 10: max. 236.8 kpbs (DL), max. 118 kbps (UL)<br>• Mobile station class B<br>• MCS 1-9 modulation and coding<br><br>**GPRS transfer mode:**<br>• GPRS class 10: max. 85.6 kbps (DL), max. 42.8 kbps (UL)<br>• Mobile station class B<br>• PBCCH compatible<br>• CS 1-4 Coding<br><br>**(**DL) Download Link, transfer from the Internet to a terminal<br>(UL) Upload Link, transfer from a terminal to the Internet |

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