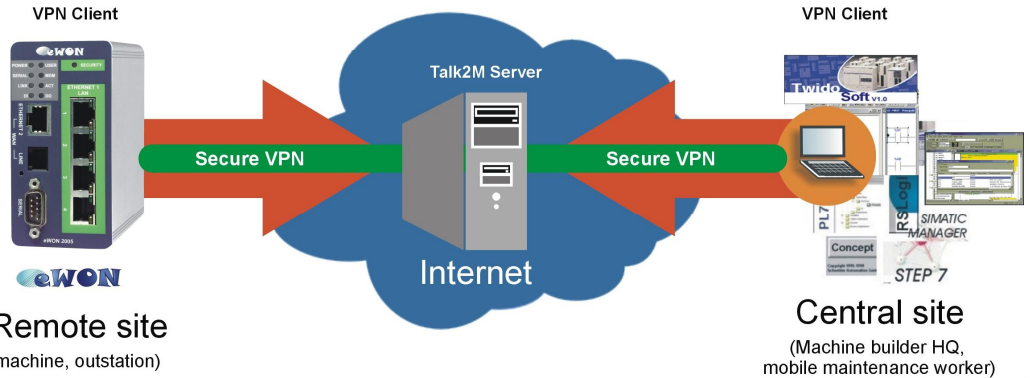


You select...  
**You**  
 We connect  
 We

# eWON Internet Connectivity Tool

GPRS/EDGE, ADSL or through LAN



## Highlights

- eWON Remote Connectivity Tool
- Via the Internet
- To access remote Machines & Sites
- 5 minute Plug & Play installation and configuration
- Fully compliant with IT security standards
- Single click access to remote Ethernet or serial PLC
- Single concurrent connection oriented
- HTTPS SSL security modem (128 bits)
- Automatic SMS based wake-up mechanism for eWON GPRS/EDGE

Remote site  
 (machine, outstation)

Central site  
 (Machine builder HQ,  
 mobile maintenance worker)

**Talk2M** (Stands for *Talk to Machines*) is an Internet Service designed to address the growing need for broadband and wireless access to perform remote maintenance and access distant equipment. The key added-value of **Talk2M** is the full integration of IT security standards by allowing an Internet communication tunnel between the user and the remote machine without any IT network security changes on either side! This major breakthrough allows easy deployment while hiding the complexity of the IT network infrastructure.

### Typical Applications

- Machine Builders : Remote Machine Maintenance
- System Integrators : Remote Customer Support
- Infrastructure/M2M : Remote Site Access

### Working Principle



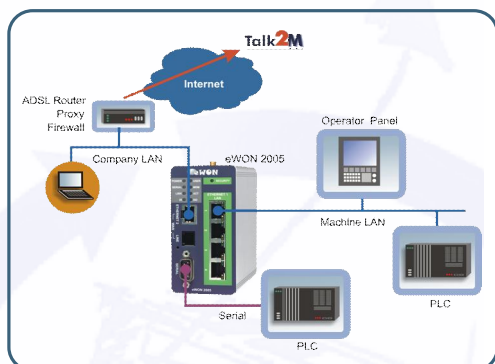
On request or permanently (depending on the eWON built-in modem), eWON makes a secure, VPN connection to the **Talk2M** web server using a UDP or TCP https port, passing through the firewall and proxy. On the other side, the user makes a secure VPN connection to the **Talk2M** web server. The **Talk2M** server acts as a relay to interconnect the two VPN tunnels. The information exchanged during the communication is encrypted (SSL 128 bits) and only authenticated users can connect to the eWON.

The **Talk2M** client (*eCatcher*) is available and freely downloadable on [www.talk2m.com](http://www.talk2m.com). The remote sites (eWON) must be registered to be accessible and visible within **Talk2M**'s user interface. Every machine or site is registered into one and only one **Talk2M** account. Once registered, a single click will generate the communication towards the remote site. **Talk2M** supports only a single concurrent connection. **Talk2M** supports different sites with the same IP address for quick and easy deployment.



## Typical Architectures

**Connecting the remote site/machine via GPRS/EDGE:** eWON with embedded GPRS or EDGE modem can be remotely activated by sending an SMS. When eWON receives the SMS, it automatically connects to the **Talk2M** server. This means that the user does not have to keep the GPRS or EDGE connection on the eWON site permanently connected to the **Talk2M** Web server. The **Talk2M** solution using GPRS/EDGE connection on the remote sites only requires standard national SIM cards avoiding the use of dedicated international APN or dedicated SIM cards.



**Connecting the remote site/machine via ADSL:** Connecting a remote site to **Talk2M** using ADSL becomes as simple as a dial-up connection. eWON will use the ADSL router to generate an outgoing https connection to the **Talk2M** server. Once done, the remote device is accessible from anywhere on the Internet.

**Connecting the remote site/machine via the existing LAN:** the most powerful and innovative architecture with **Talk2M** is reached by using, at the remote site, the existing Ethernet LAN infrastructure with its Internet connection to make the remote device accessible from anywhere in the world by Internet. As a result, no extra dedicated telecom media are required!

## Technical Specifications

<b>eWON Product compliance</b>	Compliant with all eWON range VPN embedded (Models 2005, 4005, 2101, 4101 & 4102) and v5.3 or higher firmware
<b>PLC compliance</b>	PLC remote maintenance through serial, MPI or Ethernet link compliant with a wide range of PLCs: Omron®, Siemens®, Schneider Electric®, Rockwell Automation® ... Transparent access using the PLC software environment
<b>Remote site access</b>	Supports single concurrent connection
<b>SMS wake up for GPRS/EDGE site</b>	SMS are automatically sent by Talk2M. Supports over 400 mobile networks worldwide. Typical SMS sending time is 5 sec.
<b>VPN Tunnelling</b>	Open VPN 2.0 either in SSL UDP or HTTPS
<b>VPN Security</b>	The VPN security model is based on using SSL/TLS for session authentication and the IPsec ESP protocol for secure tunnel transport over UDP. It supports the X509 PKI (Public Key Infrastructure) for session authentication, the TLS protocol for key exchange, the cipher-independent EVP (DES, 3DES, AES, BF) interface for encrypting tunnel data, and the HMAC-SHA1 algorithm for authenticating tunnel data
<b>Proxy</b>	Talk2M supports Proxy with login/password
<b>Bandwidth</b>	50kb/sec
<b>Hosting</b>	Talk2M is hosted in a professional DataCenter
<b>Download</b>	eCatcher, VPN client software. Free download on <a href="http://www.talk2m.com">www.talk2m.com</a>
<b>Privacy</b>	Privacy policy is provided on <a href="http://www.talk2m.com">www.talk2m.com</a>
<b>Licensing</b>	Talk2M is a free Internet tool for eWON customers. An advertising/news banner is provided in the Talk2M client. Only the wake up SMS is payable.
<b>PC requirement</b>	Windows XP SP2 or later & Vista compliant
<b>Product Ref. TM100xx</b>	xx = 10 : credit of 100 SMS (refill pack) xx = 25 : credit of 250 SMS (refill pack)

Your eWON distributor:



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List of local distributors & partn

ACT'L, established in 1992, is a Belgian electronic and industrial engineering company. With the successful launch of the eWON product line in 2001, ACT'L became a worldwide market challenger for intelligent Ethernet gateways and industrial IP routers. Thanks to its growing market recognition, the eWON concept and its service product range have become a reference and a quality standard for every major company in the industry.

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