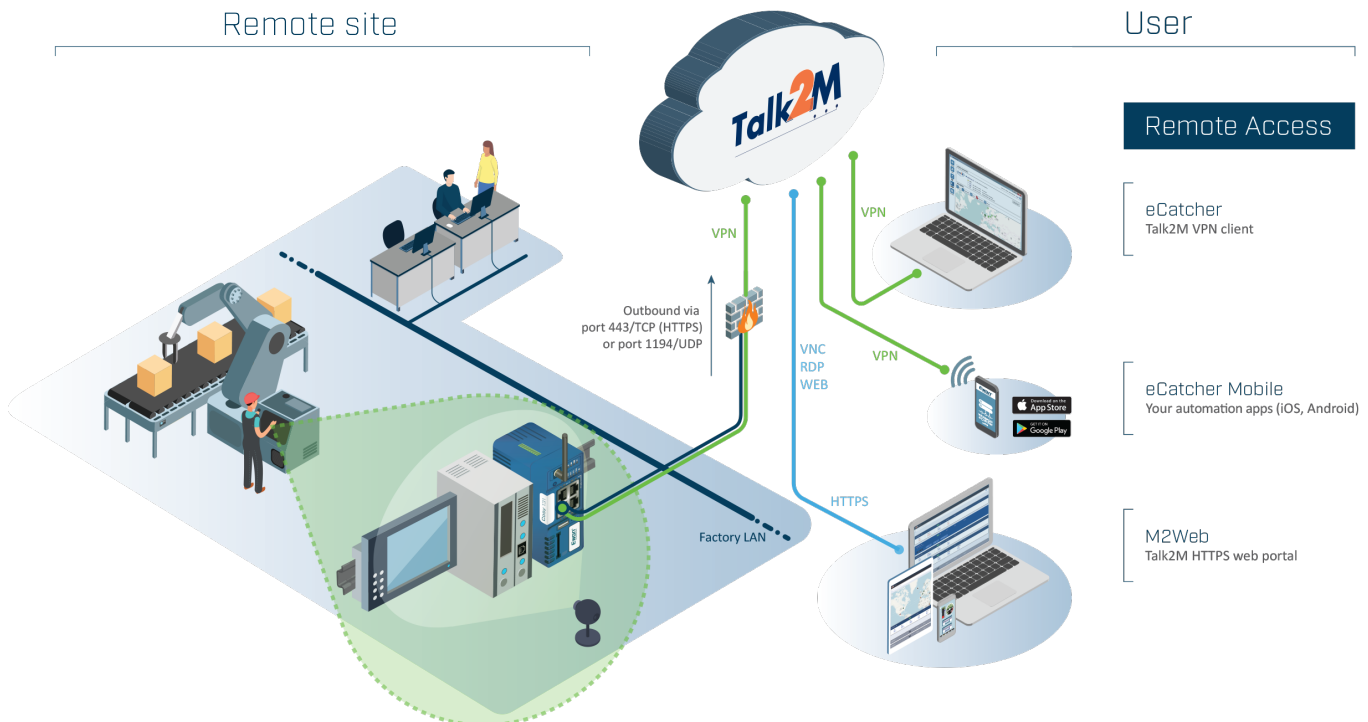


Ewon<sup>®</sup> solutions ensure successful and secure connectivity which contributes to great effectiveness and competitive advantages for every machine manufacturer.

Ewon has been providing end-to-end remote access solutions for 15 years. The combination of our Cosy routers with Talk2M, The first Secure Industrial Cloud, enables our customers to connect to their machines wherever they are deployed.

### How does Ewon Secured Connectivity work?

Ewon industrial routers (DIN rail mounted, 24VDC) are built to fit within the automation panel and can communicate with both Ethernet and serial devices. The Ewon device makes an outbound connection via UDP or HTTPS to HMS cloud based VPN servers called (Talk2M). Using the VPN client eCatcher, authorized users are able to log into their FREE Talk2M account and connect to their Ewon router anywhere in the world. The Talk2M server acts as a secure broker and completes the encrypted VPN tunnel between the remote user and the equipment connected to the Ewon router.



## What does my IT department need to do to use the Ewon router?

Typically, nothing! Talk2M tunnels are initiated by the router and use only outgoing connections. No incoming connections are made, so no ports need to be enabled in your corporate firewall for incoming connections. In addition, Talk2M is designed to be minimally intrusive by using outgoing ports that are usually already enabled (HTTPS port 443 or UDP port 1194).

## How to prepare a successful installation of the Ewon connectivity in my network?

The Ewon router is typically configured as a DHCP client so it receives network settings automatically. The Ewon can also be configured to use a static IP address that is assigned and controlled by the IT department if preferred. A small utility called Talk2MConnectionChecker can be used to verify all connection parameters; available for download from Ewon website: <https://websupport.ewon.biz/support/product/download-zone/all-software>

## Will my network be accessible by the remote User?

No, the Ewon router provides a segregation between WAN and the LAN machine subnet. The remote user can only reach the devices connected directly to the Ewon's LAN. The factory network cannot be accessed.

## ADDITIONAL SECURITY INFORMATIONS



**Compatible with existing factory networks** – Outbound connection across the factory LAN using port 443 (HTTPS) or UDP 1194 is typically available. There is no need to change firewall settings, routing policies, open ports or add exceptions.



**Robust VPN security** – An SSL/TLS session authentication certificate using 2048 bit key exchange ensures that each Ewon talks only to your Talk2M account. This guarantees that only authorized users can communicate with any Ewon. All communication occurs within an encrypted VPN tunnel.



**Customer keeps local VPN control** – Use a key switch or HMI button to the Ewon's digital input to manually enable or disable the VPN connection on-site.



**Powerful user management** – The administrator has full authority to manage and control which users have access to the devices within their Talk2M account.



**Connection Audit Trail** – A report provides traceability about whom, when, and how long each user has connected.



**LAN Firewalling** – Powerful control over which devices connected to the Ewon's LAN are accessible to the user.



**Two factor authentication** – Your Talk2M account security can be enforced by activating the 2 Factor Authentication when users need to login.

**Talk2M & Ewon solutions are certified and regularly audited. See further details: <https://ewon.biz/about-us/security>**

## KEY BENEFITS

• **No reoccurring costs** – The eCatcher software and Talk2M Free+ service are free and you can register as many Ewon devices and users as you want in your Talk2M account.

However, you can upgrade your Talk2M account to a Pro version if needed. [www.talk2m.com](http://www.talk2m.com) for more info.

• **Eliminate downtime and travel expenses** – When problems occur, the machine's engineer can immediately analyze and resolve the issue remotely, limiting costly downtime and travel expenses. Using Ewon VPN products, you make it easy for the machine builder to setup and control a secure connection to your machines while keeping your corporate network integrity secure.

• **Integrated WiFi, Cellular connectivity for the Cosy 131** – WiFi and Cellular modems provide internet connectivity while avoiding connection to the factory/corporate LAN network. The customers have great flexibility to pick the most appropriate technology to allow secure remote connection within their operation.

• **Robust, secure and reliable** – Thanks to fully redundant and extensive server worldwide infrastructure, the Talk2M offers a highly reliable, secure and scalable VPN service enabling OEM, machine builders to connect at anytime from everywhere.

• **Easy Access** – M2Web and the eCatcher App provide an easy and secure connection to remote VNC panel, Web HMI or remote PC from any smartphone or tablet.

• **A user friendly way to manage your Ewon routers** – Login to your Talk2M account using eCatcher to see your list of routers and establish a VPN connection in one-click connection.

