

**You and your
devices, together
everywhere.**

Talk2M

**IIoT Cloud
for Remote
Connectivity**

www.ewon.biz

Talk2M is the first secure industrial connectivity service in the cloud. With servers spread out all over the world, Talk2M offers a highly reliable, efficient and secure solution for connecting to machines remotely. Talk2M gathers thousands of accounts and manages thousands of connections per day, including full audit trail connection tracking.

We shape the world...

- 
- A world map with a dark blue background. The landmasses are filled with a dense pattern of small orange dots, representing eWONs registered globally. Several specific locations are highlighted with larger blue circles, representing Talk2M VPN servers. These are located in North America, Europe, Africa, Asia, and Australia.
- eWONs registered
 - Talk2M VPN servers

Thanks to



- The first Industrial IoT connectivity service in the cloud
- Reliable solution to connect to machines remotely
- Unique coverage with infrastructure all over the world

TALK2M FACTS & FIGURES:

100.000+ eWONs registered

8+ Million total VPN connections

Total transferred data: **70+** TB

156 countries out of 196 worldwide

Talk2M and its user community keep growing and growing. Check out real time facts & figures on www.talk2m-live.ewon.biz

Talk2M - Secure cloud for industrial Remote Solutions

Since 2006, this unique service meets the expectations of Machine Builders, System Integrators and OEMs who want to securely access their machines remotely.

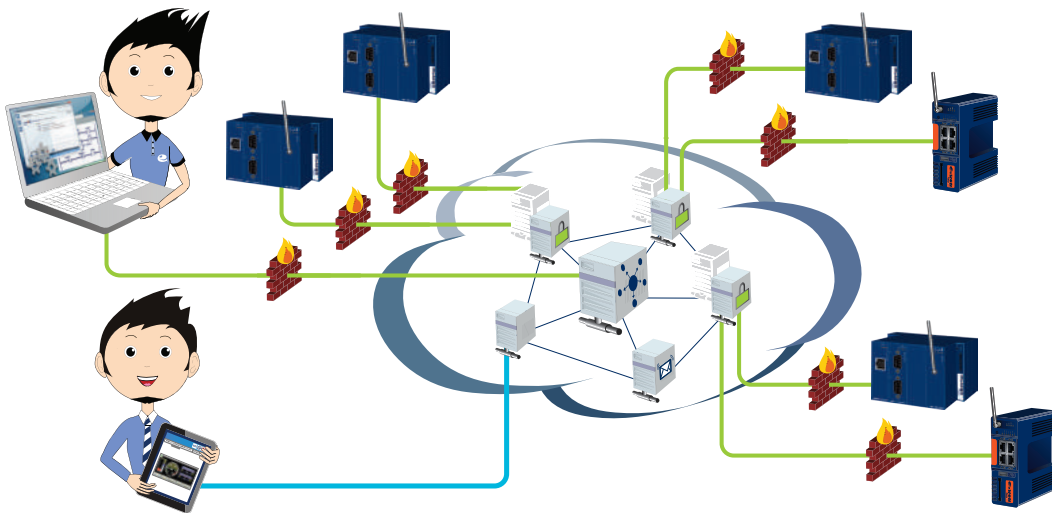
More than a cloud to remote access machines in the field, Talk2M has become a fundamental link in the value chain of the Industrial IoT.

Software teams also take advantage of the Talk2M open platform to securely retrieve data from the field and develop applications adding value to the data.

With operational services to manage accounts and devices, Talk2M is your best choice for your remote solution.



A powerful and scalable infrastructure



HIGH AVAILABILITY FOR MAXIMUM BUSINESS CONTINUITY

Two options are proposed:

- Talk2M Free+, relying on several hosting partners.
- Talk2M Pro, relying on Rackspace™ and other high-end hosting partners.
 - "Mission-critical" hosting partner.
 - SLA (service level agreement) of 99,6% business continuity.

FULLY REDUNDANT SERVER ARCHITECTURE

- 3 different hosting providers geographically distributed in a way to maximize resilience.
- Separated access servers and VPN servers for an optimized roll out mechanism.

PROXIMITY ENSURES LOW LATENCY

- Best server location selection to minimize latency.
- Hosting sites spread among different regions of the world: Europe, North America, Japan, China, Australia, India, South Africa...

FIRST RATE MONITORING

- Supervised 24/7/365 by on duty engineers.
- Based on KPI (key performance indicators) gathered from all servers.
- With proven and effective monitoring software (i.e. Munin).

Layered security approach

- Policy compliance 
- Network infrastructure 
- User and access management 
- Traffic encryption 
- Firewall 
- eWON device 

eWON ensures high security using the "Layered security approach" also called "Defense in Depth Approach". This approach preserves information integrity and confidentiality along with information system availability and resiliency.

Talk2M plays a crucial role here as the service is involved in 5 of the 6 layers that ensure optimal security for our 'Remote Access' and 'Remote Data' solutions.

POLICY COMPLIANCE

Compliant with:

- Existing corporate security policies
- Firewall rules
- Proxy servers

NETWORK INFRASTRUCTURE

- Globally redundant Tier 1 hosting partners
- 24/7/365 monitoring
- SOC1/SSAE 16/ISAE 3402, SOC2 & ISO 27001 certified Data Center
- CSA corporate member

USER AND ACCESS MANAGEMENT

- Access control
- Accountability: Audit trail

TRAFFIC ENCRYPTION

- Communications are transmitted through end-to-end encrypted tunnels using OpenVPN and SSL-TLS protocol

FIREWALL

- IP, port and protocol filtering/firewalling available

EWON DEVICE

- Network segregation, 1:1 NAT
- Device authentication

Access control

- Advanced user and device access control with Talk2M by configuring groups of users and pools of eWON devices.
- Unique user login and customizable password policy by account administrator to guarantee compliance with corporate user identification and password policy.
- Two-factor authentication via the user's mobile phone.
- User lockout implementation to prevent too many connection attempts from an unauthorized user trying to guess the password.
- Digital input/key switch to keep local control (enable/disable).

Accountability: Audit trail

Having access to the logging activities of each device, account administrators can see:

- **Who** has connected
- **When** the connection was established
- **How long** connection lasted

Audit trail is a useful tool when dealing with legal and security regulation compliance.

Talk2M provides 4 different firewall setting rules, from least restrictive to most secure:

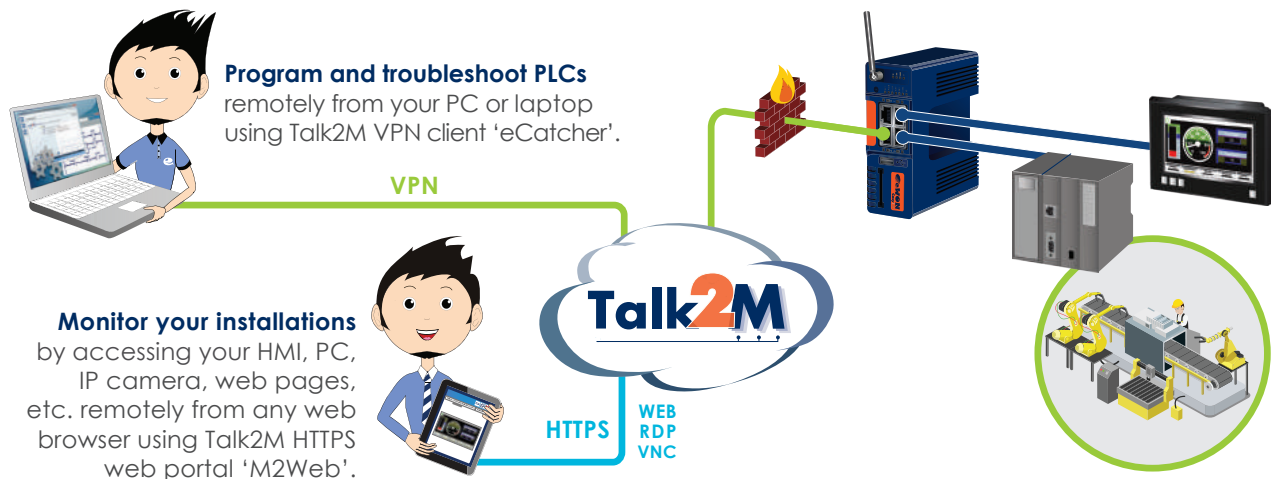
1. Standard
2. High
3. Enforced
4. Ultra

Those 4 firewall levels are based on declared devices IP, ports, gateways and eWON services (FTP server, HTTP server...) access. Moreover, the requested configuration can be applied to a selected group of users.

REGULAR SECURITY AUDITS

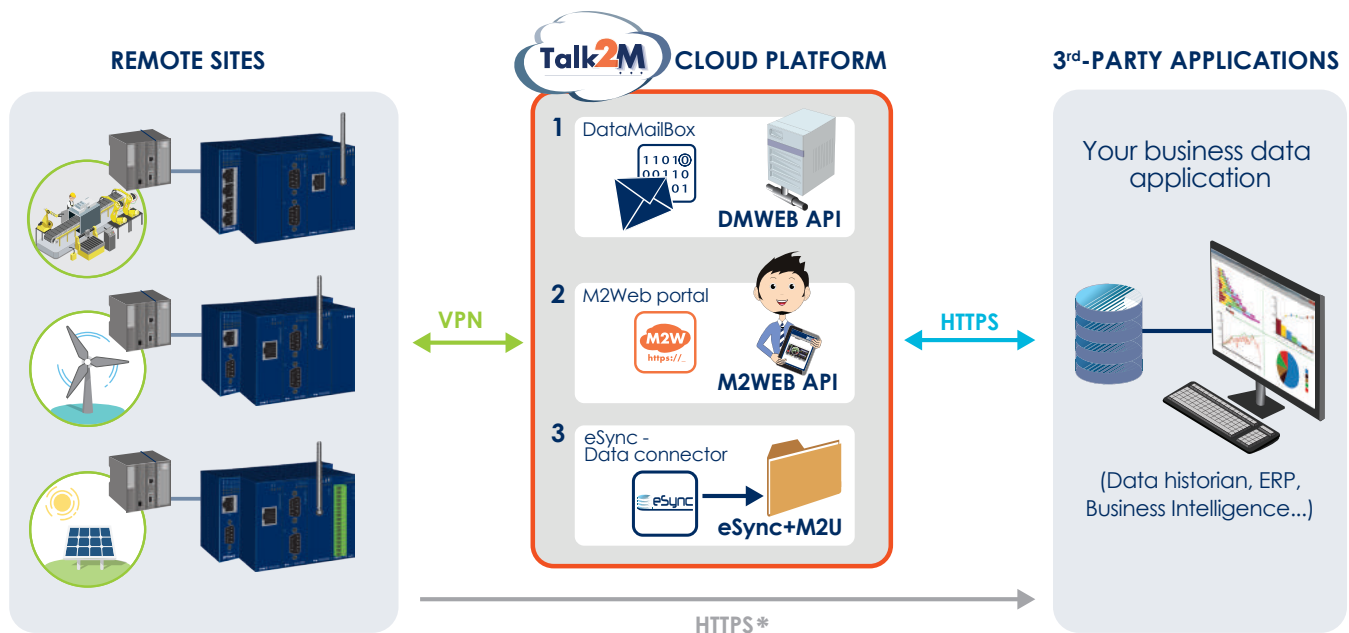
Our Talk2M security environment is regularly tested, and has been successfully audited by cyber security companies such as NVISO (www.nviso.be). For security questions, please contact: ewonsecurity@hms-networks.com

Connect to your remote sites with Talk2M



Collect your remote data with Talk2M

In addition to Remote Access, Talk2M provides data services such as data collection from remote sites and alarm management which allow performance monitoring and proactive maintenance.



1 - DATAMAILBOX: Buffering of your historical data.

- Thanks to a Web API, poll all your data from DataMailBox into your Historian, BI, etc.
- Data is synchronized without any risk of duplication.

2 - M2WEB PORTAL: Poll instantaneous values and interact with your devices.


- Poll your devices through Web APIs to build custom dashboards or other monitoring applications.
- This method is also valid for mobile applications.

3 - ESYNC DATA CONNECTOR: Push data to your own server.

- Collect your historical data and alarms pushed automatically from your devices through Talk2M and aggregate them on your server.

**If needed, data can also be directly sent via HTTPS to your own server or IIoT platform.*

Select your Talk2M service

	Talk2M Free+	Talk2M Pro
Pricing	Free	Yearly fee
Unlimited no. of users and devices	✓	✓
No. of M2Web sessions	3	Unlimited
No. of concurrent eCatcher connections	1	3+**
Monthly bandwidth	1 GB*	6 GB+*
Advanced user and device management	-	✓
Wake-up/Alarm SMS per month	-	50
SLA (99,6% availability, 4h max. consecutive downtime)	-	✓
Additional Traffic, SMS, concurrent connections	-	✓
DataMailbox	Up to 500.000 points per month	Up to 3.000.000 points per month

* Accounts exceeding the allocated monthly bandwidth (1GB Free/6 GB Pro) are subject to data throttling (Free) or overage charges (Pro)

** Can be extended with additional subscription.

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