



Network Configuration

Select an Appropriate Machine LAN Network

SSH-0192-01-EN

Product type: COSY131, COSY+, FLEXY



1. Introduction

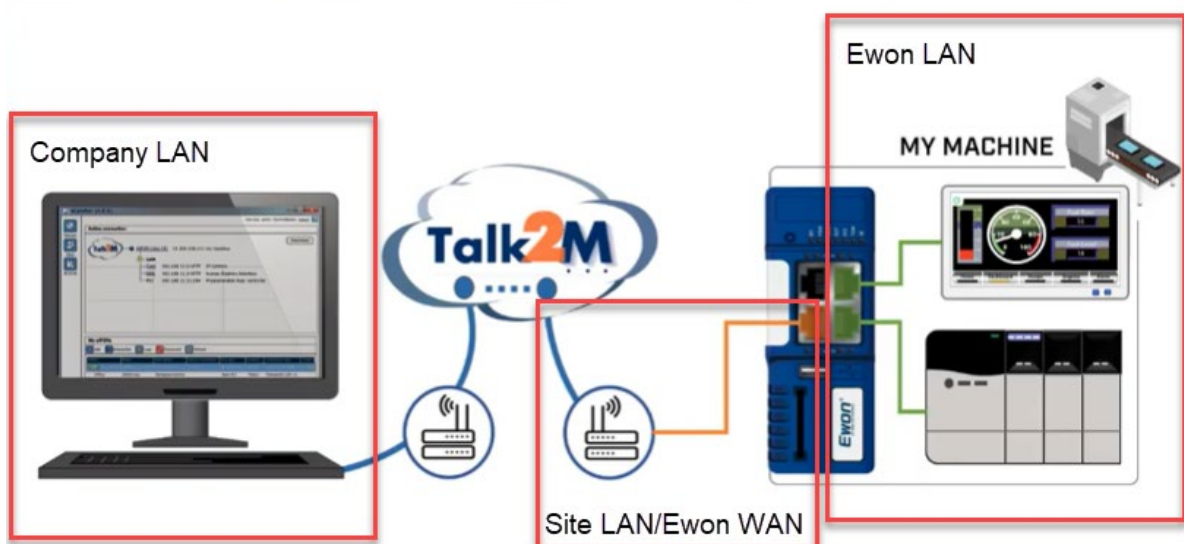
If you use an Ewon device such as an Ewon Cosy or Flexy to remotely access Ethernet devices, then you need to pay attention to the IP address ranges of the different networks involved in the connection.

The Ewon LAN: Devices directly connected to the EWON LAN network and separate from the rest of the factory site. Such a PLC or HMI inside a machine.

The Ewon WAN: Local factory network where the EWON is connected to gain access to the Internet. For the cellular connection, this role is played by the mobile operator

The Company LAN: External Network not physically link to the factory that will gain access to the machine with the help of the Talk2M services.

Overview of all network's interactions in a Ewon remote connection via Talk2M:



2. Ewon LAN & Ewon WAN

Ewon devices are designed to provide a segregation between the machine network (the Ewon device's LAN) and the Site LAN network (the Ewon device's WAN). The remote user can only reach the devices connected directly to the Ewon's LAN; the factory network cannot be accessed remotely through the Ewon device.

As a result, the Site LAN address range (Ewon WAN) **MUST** differ from Ewon LAN address range. The person responsible for assigning the addresses to the Ethernet devices of the machine and the site's network administrator should work together to make sure the network address ranges are different.

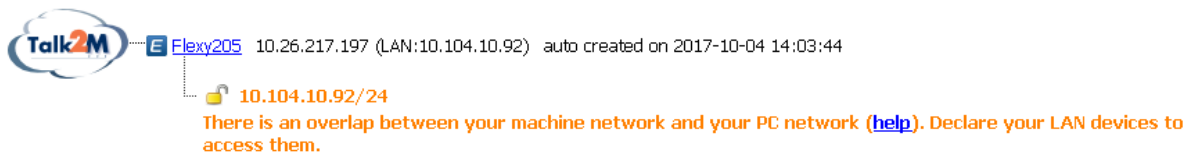
3. Ewon LAN & Company LAN

When users connect to their remote equipment using eCatcher, they can communicate with their Ethernet devices using those devices' IP addresses.

For the easiest remote connection, we recommend that the PC running eCatcher (Company Network) and the Ewon LAN network have different IP addressing schemes.

This allows eCatcher to create a route to the Cosy or Flexy's LAN network by way of Talk2M. Then the remote user can reach any permitted device on the LAN network.

For users of eCatcher version 6.5 or higher, eCatcher still allows you to connect to your remote devices if you have conflicting networks.

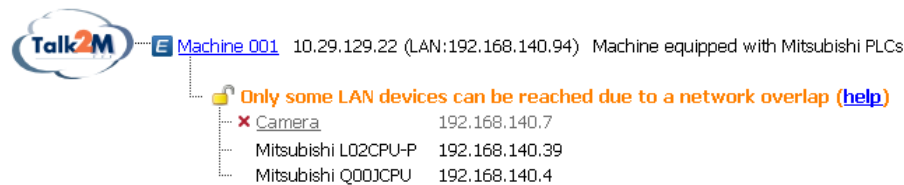


However, you must first declare the Ethernet devices you want to reach as LAN devices. You can find instructions for declaring LAN devices in

[AUG-0056-00-EN eCatcher Security Features with a Talk2m Free Account](#)

Once the LAN devices are declared, when you connect from a network with a conflicting address, eCatcher will notify you of the conflict and indicate which devices are accessible.

If a device on the Ewon LAN has an identical IP address as your PC, default gateway, or DNS, then a message indicating the conflict will appear and the remote device will not be accessible.



Important User Information

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	COSY131 & FLEXY [14.4], COSY+ [20.20], eCatcher [6.7]