



# SYSTEM REQUIREMENTS

## REVISION HISTORY

Date	Description of Change	Name	Data Steward review date
	Draft version		
30.5.2025	Released version	Edith	

## PURPOSE AND SCOPE

This document defines the requirements for correctly installing and running the CowManager application on the PC / Laptop / Mobile device.

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## 1 COMPUTER

For optimal performance of the CowManager software, we recommend using a dedicated PC or laptop that does not run any other business software (e.g., milking robot software). Ensure that your PC or laptop meets the following specifications:

- A Microsoft-supported Windows version (as of 2025, Windows 11 or higher)
- 64-bit processor
- 4 GB of RAM and at least 10 GB of free hard disk space
- Solid-state drive (SSD) recommended
- A free USB port (Type A); external USB hubs or extension cords cannot be used
- Windows must always be fully updated, including all optional updates
- TeamViewer must be installed for support
- The PC or laptop must remain powered on and connected to the internet (sleep mode should be disabled in Windows)

## 2 INTERNET

A 24/7 internet connection is required to keep the system online. For optimal performance with CowManager, a stable download speed of at least 5 Mbps and an upload speed of at least 1.5 Mbps are necessary. In case of a



mobile internet connection, we recommend a minimum data plan of 500 MB/month per 100 sensors (for CowManager data upload only).

### 3 WHITELISTED DOMAINS

It is important that these URLs are always reachable

- sensor.cowmanager.com
- farmapi.cowmanager.com
- api.cowmanager.com
- payment.cowmanager.com
- login.cowmanager.com

And that the domain `cowmanager.com` is always fully accessible.

For all in-app training and information, Adblockers/Privacy blockers must be disabled for `sensor.cowmanager.com`.

### 4 LINKS

To transfer all cow data into CowManager, we can set up an interface with most management programs. For more details, visit: [cowmanager.com/cow-management/integrations/](http://cowmanager.com/cow-management/integrations/). The PC running your management system must meet the above requirements, except for the USB port requirement.

### 5 PREVENT DISRUPTION

CowManager hardware operates on a 2.4 GHz frequency, which cannot be changed. The following devices may cause signal interference:

- Wi-Fi routers
- Ethernet bridges (point-to-point or P2P)
- Wi-Fi extenders or mesh networks
- Wi-Fi cameras
- Bluetooth devices

To minimize interference, we recommend hardwiring these devices, using the 5.0 GHz band, or setting your Wi-Fi channel to channel 6 or higher.

### 6 SMARTPHONE/TABLET

To use the CowManager app, your smartphone or tablet must run at least Android 8.0 or iOS 14.0, as required in 2025. High end smartphones with fast CPU and at least 8GB of memory are advised for the best user experience.

### 7 NETWORK COVERAGE

We have worked with you and your CowManager specialist to create a network plan for optimal coverage. While we have done our best using the available information, we cannot guarantee continuous 24/7 data transmission from all sensors. Please note that the coordinator must always be connected to the PC or laptop to collect and process data from the sensors. The coordinator is powered through the USB port of the PC or laptop.



For optimal signal coverage, the coordinator should be placed with a clear line of sight to a router up to 800 meters away. The sensor has a range of approximately 100 meters from the coordinator or router, provided there is a clear line of sight. We recommend positioning the routers about 3.5 meters high and ensuring at least 1 meter of clearance between the roof and the antenna. The antenna should always point upwards.

## **8 (RFID) EAR TAGS**

Rules regarding the use of ear tags vary by country. Your specialist can provide guidance on this. For optimal performance, we recommend HDX ear tags. If you don't have RFID ear tags, we recommend using our blank tags.

## **9 INSTALLATION**

If all of the above requirements are met, the CowManager system can be fully installed. Your CowManager specialist will schedule an installation appointment within 3 weeks of delivery. The CowManager software will be installed on the PC or laptop, and a link will be established with your chosen management system. Once the hardware is connected, and the sensors are activated and linked to your cows, you will begin receiving data.

With your delivery, you will also receive manuals for the installation of the sensor, coordinator, and router(s), so you can quickly get started with CowManager.