www.cometsystem.com

Instructions for use

COMET Cloud Lite

A mobile app for receiving alerts and accessing measurement data from the data collection system COMET Cloud

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Introduction

COMET Cloud Lite is a mobile application that extends the capabilities of the COMET Cloud monitoring system to devices running the Android or iOS operating system.
It allows users to monitor current values and alarm statuses of connected COMET devices from anywhere — quickly, clearly, and in real time.
The application features a simple and intuitive interface, enabling users to easily view measured data in graphical form, check measurement history, or receive notifications about new alarms.
Thanks to push notifications, it provides continuous visibility of the status of connected devices.

Main features of the COMET Cloud Lite application:

- Clear visualization of measured values in real time, including graphical display
- Displayed measured values and auxiliary system information are retrieved from the main COMET Cloud system; they are immutable, protected against modification and deletion
- Receiving and viewing alarm messages sent from COMET Cloud, including their history
- Push notifications (instant alerts when an alarm condition occurs)
- Alarm notifications from connected measuring devices include not only out-of-limit measured values of monitored parameters, but also device and probe fault conditions, including power supply status (e.g., battery level). All such information is transmitted to the mobile application in the form of alarms
- Ability to an alarm confirmation with user comment
- Browsing measurement history by time
- Display of monitored locations on a background image or schematic
- Generation and sending of reports in PDF format directly from the application
- Access to the application is restricted to authorized users only
- Recording of all system events with user identification and corresponding timestamp (Audit Trail function)
- The application also serves as a second independent verification channel when two-factor authentication (2FA) is enabled in COMET Cloud

Installing the COMET Cloud Lite app

The *COMET Cloud Lite* mobile application is designed for devices running the *Android* and *iOS* operating systems.

COMET Cloud Lite is a complementary mobile application to the main *COMET Cloud* system.

To access the *COMET Cloud Lite* application, a user account must first be created in the *COMET Cloud* system. The same account credentials are used for both *COMET Cloud* and *COMET Cloud Lite*. It is **not possible** to create a new user account directly within the *COMET Cloud Lite* application.

If you are a new user, first set up the *COMET Cloud* system, which has its own user manual, or request access from the administrator of an already operational *COMET Cloud* system.

Mobile Device HW and SW Requirements

The *COMET Cloud Lite* app can be installed on devices with the following specifications:

- a smartphone or tablet
- an internet connection
- *Android 6.0* or later with access to *Google Play*, or
- *iOS 16* or later, an *Apple ID* account, and access to the *App Store*

Installation on Android

Make sure the device has a sufficiently charged battery, and follow these steps:

- Open the *Google Play* app
- Type "COMET Cloud Lite" into the search bar
- Select the correct app from the list
- Tap the *Install* button
- Wait for the installation to finish
- After installation, tap *Open*

Installation on iOS

Make sure the device has a sufficiently charged battery and follow these steps:

- open the *App Store*
- in the search field, enter: *COMET Cloud Lite*
- select the correct application
- tap the *Get* button
- confirm the installation using Face ID / Touch ID / password
- wait for the installation to complete
- after installation, tap *Open*

First time running the application

The application must already be installed. To open the app for the first time, follow these steps:

- open the application
- if prompted, allow notifications
- if prompted, allow access to the device storage
- the application login screen will appear
- log in using the same credentials as for your *COMET Cloud* account
- enter your login email
- enter your *COMET Cloud* account password
- wait for the login process to complete
- the *My Devices* page will be displayed and the application is ready to use

Application System Permissions

In order to function properly, the app may require the following permissions, which must be enabled:

- *Sending notifications* (for processing alarm alerts)
- *Access to storage / files* (for saving generated reports)

Audio alert

When the app is installed, it retrieves the sound notification settings from the *COMET Cloud*. To change these settings, do the following:

- Log in to *COMET Cloud* using your account (go to www.cometsystem.cloud).
- Go to the *Mobile App Settings* / *Notification Sound Settings* menu .
- Alarm notification sounds from alarm profiles are located in the *Alarms* section.
- Select the desired sound (consider its desired duration) and click the *Save* button.
- Note: For Android version 8.0 and later, the selected sound will only be transferred to your phone after you uninstall and reinstall the app. You can select any of your own sounds in your phone's settings, but you will then no longer be able to revert to the preset sound from the *COMET Cloud*.

Application language

The app is installed with a language setting that is automatically selected based on the mobile device's system settings. Available options include Czech, English, German, Spanish, French, Hungarian, Italian, Polish, and Chinese. If the desired language is not available, English will be used.

Automatic updates

If permitted by the phone's operating system, the *COMET Cloud Lite* app checks for a newer version when it launches, and if one is available, it prompts the user to install it.

Change of ownership of the facility

If a mobile device changes owners (e.g., a company phone is assigned to a new employee), and the new owner is also a *COMET Cloud* user, simply log in to the *COMET Cloud Lite* app as the current user, and the app will automatically start receiving only alarm notifications for the new user.
If the new owner is not a *COMET Cloud* user and/or does not want to receive notifications from the system, you must disable notifications for the *COMET Cloud Lite* app in the device settings or uninstall the app completely.

Access to the COMET Cloud Lite app

To access the *COMET Cloud Lite* app, you must first create a user account in the *COMET Cloud* system.

Once installed, the app will have an icon on your mobile device's home screen labeled *COMET Cloud Lite*. Tap the app icon to launch it. A login page will appear, and the app's language will be determined by your device's system settings.

Log in to the app

For security reasons (and to ensure the traceability of all changes made to the system), each user's access to the *COMET Cloud* is subject to login credentials consisting of the user's email address and password.

Logging in with basic security (user email address and password):

- Enter your login email address and password in the login form.
- Click *Log In*.
- A list of your devices will appear on the *My Devices* page, or another page of the application (the last page viewed before logging out).
- You can start working with your devices

Log out of the app

For security reasons, you should always log out of the app whenever you leave your device, unless you have additional device protection enabled. You can log out manually, or the system will automatically log you out after a preset period of inactivity. You can set up automatic logout only in *COMET Cloud*, in the *Cloud Settings* / *Login Length Settings* menu, where you can select the inactivity period (10 minutes to 4 hours).

Manual logout from the app

- Click the user icon in the top-right corner and select *Log Out*.
- The user will be logged out and the login screen will appear.

Automatic logout

- If a logged-in user remains inactive in the app for longer than the set time limit, the user will be logged out.
- The device will display the login screen

Viewing measured values

In the *COMET Cloud Lite* app, you can choose between two available views of registered devices for which you are viewing measured values:

- The *My Devices* list, where you know and want to view a specific device; you can search for it in the list by its identifier or name and start viewing it. This viewing method is always available for all registered devices.
- *Measured Places* list, where each specific measured location is named and linked to the device that serves that location. Measured locations are grouped into measured location groups. When viewing, you do not need to know the specific device through which the measurement is performed. This viewing method is available only after you have configured the individual measured locations (however, this can only be done in the *COMET Cloud* system).

Viewing from the My Devices list

Each device in *COMET Cloud Lite* is uniquely identified by its serial number or Device ID (in the case of Sigfox sensors). This identifier can always be found on the nameplate of each measuring device. In addition to this numerical identifier, users can easily navigate the devices by their names, which they can choose freely.

- You can view devices and their measured values on the *My Devices* page, which you can access via the main menu button in the app's top bar.
- The list shows device names along with the time and value of the last measurement on all device channels, as well as the current alarm statuses.
- You can search for devices (by ID or name) using the magnifying glass icon at the bottom of the page.
- If applicable, select the *Organization* from which you want to view devices. You can do this in the top bar of the app using the button with the user icon. If you select the top-level organization, you will see all devices.
- If you tap on a device row, you can use the circular menu button that appears to select additional functions: to view measured values, select *History Data* to access all recorded values (in graph form) or *Online Data* to access currently measured values with up to one week of history. The menu also includes a *Report* option for generating a *Report on the measurement performed*, with an evaluation of the measured values for the selected period.
- If you hold your finger on a device row, the *Online Data* / *History Data* / *Report* menu will appear directly.

Viewing from the list of Measurement places

Each measurement place is named, and a link is defined to the specific channel of the specific device performing the measurement. Individual named measurement places (e.g., drying box 1, drying box 2) are organized into groups of measurement places, which can also be named as desired (e.g., production hall, warehouse). In this environment, the user does not need to know the specific device performing the measurement but can search directly for the desired measurement place.

It is also possible to view measurement places as an embedded image, such as a floor plan of a building, where individual fields containing monitored values from all measurement places are then displayed.

Viewing measurement points is available only after you have configured the individual measurement places, which can be done only in the *COMET Cloud*.

Viewing measurement places

- You can view predefined measurement points on the *Measurement Places* page, which you can access via the main menu button in the app's top bar.
- The list shows the name of the group of measurement points, followed by a table listing the assigned measurement points, along with the time, the last measured value, and the current alarm statuses.
- You can search for groups of measurement places (by name) using the magnifying glass icon at the bottom of the page.
- If an image has been assigned to a group of measurement places and fields containing the individual measurement places have been placed within that image, you can switch to this image view by clicking the button with the image icon next to the name of the group of measurement places.
- In addition to the current value for the measurement place, you can select the option to view online values for a maximum weekly interval in the measurement places menu.

Alarm confirmation with user comment

When deploying devices in a regulated environment under strict supervision, individual devices may have the *Alarm confirmation with user comment* feature enabled. When an alarm occurs, the system automatically adds a comment with the alarm time to the recorded data and requires the user to confirmation that they are aware of the situation.
If this feature is enabled, the user confirms the alarm on the *Online Data* page of the specific device reporting the alarm (see the section *Viewing*

from the My Devices list). On the *Online Data* page, display the *Info tabs* (menu at the bottom of the app), tap the red button with an exclamation mark in the relevant channel's panel (indicating an unconfirmed alarm), and select *Acknowledge alarm with comment* from the displayed menu. A page will appear with a list of alarms to be confirmed (usually there will be only one) and a field for entering a comment. Enter your own comment text for this event and tap the *Confirm* button. The app will display the message *Comment successfully inserted*.
The user's alarm confirmation is recorded by the *COMET Cloud* system (who confirmed the alarm and when) for potential future inspection.

Viewing messages

In the *COMET Cloud Lite* app, you can view all messages sent by the main *COMET Cloud* system from alarm profiles, as well as all system messages. Select *Messages* from the main menu to view a list of messages sent to the currently logged-in user. The list is sorted in descending order by send time, so the newest, most recent messages appear at the top.
Tap a specific message to view its full content; tap the back button to return to the message list.

Viewing announcements

In the *COMET Cloud Lite* app, you can view all system announcements and operational information from the main *COMET Cloud* system. Select *Announcements* from the main menu to view a list of available announcements. The list is sorted in descending order by the time the announcements were posted, so the newest announcements appear at the top.

Viewing app information

In the *COMET Cloud Lite* app, you can view the version history for this app. Select *About* from the main menu to view a list of released versions. The list is sorted in descending order by release date, so the latest version appears at the top. Tap a version entry to view release details.