

## What permissions does the campusM Android app require?

- **Product:** campusM

### Question

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### Answer

The campusM Android app requires access to the following:

Category	Permission	Description
Device & app history	retrieve running apps	Required to check if campusM is running in the foreground or background for push notifications
Calendar	add or modify calendar events and send email to guests without owners' knowledge	Required to allow users to add events to their calendar. Required to send feedback and issue reporting emails
Location	approximate location (network-based)	Required to support the map functionality
Location	precise location (GPS and network-based)	Required to support the map functionality
Phone	read phone status and identity	Required to enable the app to step back and let incoming call notifications have control of the screen.  Identity is used for analytical reasons
Photos/ Media/Files	read the contents of your USB storage	Required to support saving document for offline review
Photos/ Media/Files	modify or delete the contents of your USB storage	Required to support saving document for offline review
Storage	read the contents of your USB storage	Required to support saving document for offline review
Storage	modify or delete the contents of your USB storage	Required to support saving document for offline review
Camera	take pictures and videos	Required to support QR functionality or to support the camera capability in the AEK library (if used by customer).
Microphone	record audio	Required to support the microphone capability in the AEK library (if used by customer)
Device	read phone status and identity	Required to enable the app to step back and let incoming call notifications have control of the screen.  Identity is used for analytical reasons

Category	Permission	Description
Other	use fingerprint hardware	Required to unlock the app if it is set to use biometric identification and fingerprints are the selected type of biometric
Other	use biometric hardware	Required to unlock the app if it is set to use biometric identification
Other	receive data from Internet	Required to send/receive data to/from mobile app
Other	view network connections	Required to check Network connectivity in order to sync and download updates on WiFi
Other	pair with Bluetooth devices	Required to support iBeacon functionality and crowd-source attendance validation
Other	access Bluetooth settings	Required to support iBeacon touchpoints and crowd-source attendance validation
Other	discover and pair nearby Bluetooth devices	Required to search for beacons in the process of taking attendance
Other	full network access	Required to perform Network related operations like downloading, checking connectivity, data serialization etc.
Other	control Near Field Communication	Required to support NFC
Other	run at startup	Required to support Alerts and Beacon functionality.
Other	control vibration	Required to support the "shake" option from the settings menu
Other	android.permission.SCHEDULE_EXACT_ALARM	Required for local device notifications, i.e. TT events
Other	change your audio settings	Required for microphone use and for using AEK callbacks for the microphone

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