



Verigo Access Point (VAP) GATEWAY VERIGO

Ver.2.0

15/11/2021

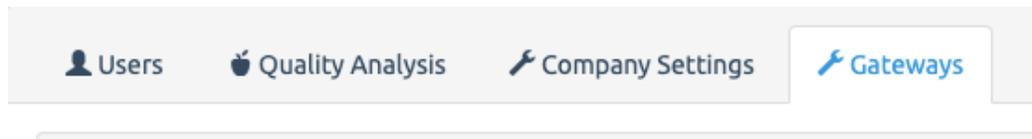


Features

The VERIGO Gateway (VAP) is a wireless device enabling VERIGO recorders to be read autonomously, in automatic mode and without human intervention. The information is collected via a Bluetooth connection established between the VAP and the VERIGO recorders. The VAP is connected to the internet either via wifi or via a wired connection (Ethernet cable).

What's up with Verigo Cloud

The VERIGO cloud is enriched with a new Gateway section within the Admin tab



This section will be used by the user to register their VAP, and they can register an unlimited number of wireless access points here.

Hardware specifications

RPI 4 Compute Module + IO board – WIFI/Bluetooth

Dimensions & Weight :

210 x 105 x 30 mm ; 0.8 kg

Reading distance:

Up to 15m with possibility of extension via specific antennas (optional)

The VAP benefits with CEM / EN qualifications

Options: additional antenna, POE



Operations

VERIGO Pods are programmed by the mobile App, and read by the VAP.

The VAP, in its version 1.0, cannot be used to program a VERIGO Pod.

As soon as a VERIGO Pod is within reading distance of the VAP, it connects and transmits information in 3 modes to choose from:

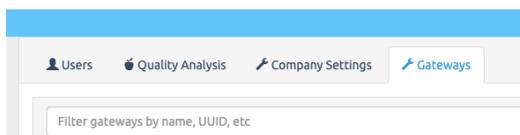
- Ping Only : Verigo Pods connects with the VAP every 15 minutes and send immediate temperature (and humidity if available) information. Pod memory is not read. VAP will then send collected information to the Verigo Cloud every 20 minutes.
- Full Synch: As soon as Verigo Pod is detected by VAP for the first time, a full sync of the device memory is done with VAP. Then VAP goes back to Ping only mode. If Pod remains remains connected to the VAP, it will perform a full synchronization every 24 hours. if the device is disconnected from VAP during more than 30 minutes, full sync of memory will be done as soon as Verigo Pod will be connected again with the VAP.
- Full Synch & STOP: As soon as Verigo Pod is detected by VAP, a full sync of memory is done. Once full sync is done, POD is STOPPED. Activation with smartphone will be required to restart the device.

VAP installation

The VAP is delivered ready to use.

Each VAP has a unique identification number (UUID)

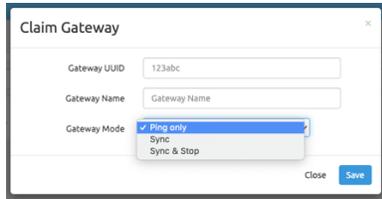
The user must connect to the VERIGO / Admin cloud and choose the Gateway tab to access the VAP settings.



Then select "Add gateway"



This will open a new window:



The user will then need to enter the UUID in the "Gateway UUID" line. The UUID number is provided with the VAP (send by email and separate mail)

He must assign a name to this VAP by filling in the Gateway Name box

He will have to select an operating mode in the Gateway Mode section.

Note: the default operating mode is "Ping only" mode

VAP connectivity

The VAP must be connected to the internet to work. It can connect in 2 ways:

- LAN: use a LAN cable (not supplied) and connect to an internet access using the Ethernet port of the VAP. This connection does not require any other manipulation to operate.
- WIFI: Connect the VAP and using a smartphone or a computer, detect a new WIFI network named "Verigo Gateway" XXXXX.



Select this network and connect your smartphone.

Once the connection is established, a new window will ask you to choose the WIFI network that the Gateway should use :



Hi! Please choose your WiFi from the list

SSID*

DIRECT-54-HP DeskJet 3630

Passphrase

Connect

Select the network of your choice within the SSID choice menu.

Enter the password for this network below “Passphrase”.

Press Connect.

If the password you entered is valid, the Gateway will be connected to the internet from that moment on, and will soon start receiving information from nearby Pods. In Synch mode, Pods will emit a beep.

It may take 15 to 20 mn before you receive first information from the Gateway to the Verigo Cloud.

Principle of subscription to the VAP offer

The user subscribes for a period of 3 years. This subscription includes:

- Equipment
- Access to the Cloud
- Backup of recorded data

At the end of these 3 years, the user can renew his subscription at the rate in effect at that time, with or without a new Gateway. If the user does not wish to renew his subscription, he is not required to return the equipment that becomes his property.



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