



PLAATO PRO

Turning Production Data into **Production Efficiency**

Network Configuration

2025

Network Configuration for PLAATO Pro

Introduction

About

The PLAATO Pro transmits data to the cloud over Wi-Fi. For this data to be successfully transmitted, your PLAATO Pro will need a broadband internet connection.

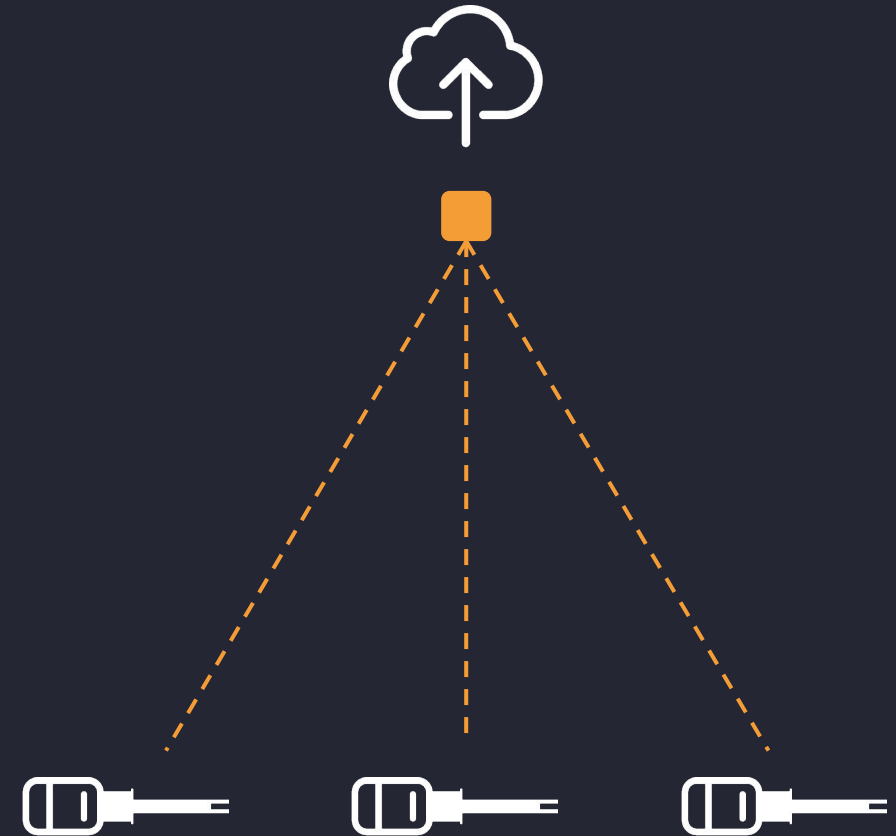
Network Configuration Options:

1

Connect with existing network infrastructure
(recommended)

2

Connect with PLAATO Connect



1. Using an existing network with good facility coverage

Setting up PLAATO PRO on an existing network

The PLAATO PROs can connect to existing networks via a configured guest network. This is the recommended option to set up your PLAATO network.

To set up a guest network, you will need to log in to your network admin panel and access your router's settings page.

Navigate to the "Guest Network" option and configure the SSID and PSK with PLAATO credentials. The PLAATO Pros are pre-programmed to connect to these details and are unable to connect to other networks.

Please ensure the guest network is set up with a 2.4 GHz bandwidth (not 5.0 GHz).

- **SSID:** *****
- **PSK:** *****

Please email support@plaato.io for the above credentials.

NB: If you have been using the PLAATO Connect, please make sure this is unplugged before setting up the Guest Network. *se note, the above is case sensitive.*



2. The PLAATO Connect was made for small, simple and high performing setups

Introduction

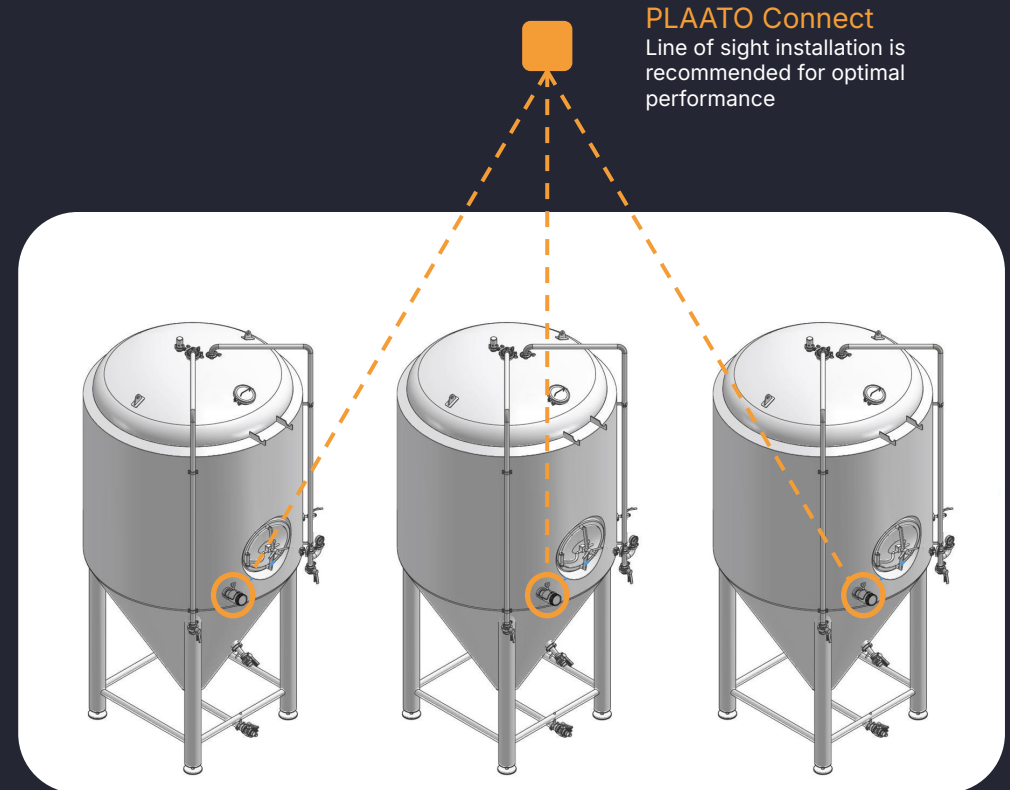
About

The PLAATO Connect is a WiFi router that the PLAATO Pros connect to. It has its own DHCP server to assign IP addresses to connecting devices.

Point of installation

PLAATO Connect should be placed within line of sight of your fermentation vessels. We recommend installing the PLAATO Connect above your fermentation vessels to minimize interference, where a ceiling mount (where possible) is recommended.

The routers have been tested for ranges up to 50 meters, but it is recommended to keep them at no more than 25 meters between the PLAATO PRO and the PLAATO Connect.



The PLAATO Connect was made for small, simple and high performing setups

Getting started

Step by step setup guide:

Inside your PLAATO Pro casing, you'll find the Plaato Connect, an ethernet cable, and a USB power plug.

1. Power up the PLAATO Connect with the USB power cable
2. Connect ethernet cable into the WAN Port and the other end into the LAN port on your Wi-Fi router. (see image to the right)
3. Wait 1-2 mins, you will see LED lights start to come on. Connection is complete when all three white LED lights come on
4. The PLAATO Connect needs to remain turned on and connected to your Wi-Fi router as long as the PLAATO Pro device is in use.

Not getting three lights?

There could be several reasons why. With many different network setups and Wi-Fi routers, extra security features such as firewalls and VPNs, it is common to experience challenges with first getting connected. This often relates to a IP address or port conflict, covered on the next page..



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IP address and router Ports

IP address

The IP address of the PLAATO Connect is 192.168.8.1. Other devices on the local network with the same IP address, such as certain routers, will result in an IP address conflict which can be resolved by changing the IP address of the PLAATO Connect. If this is a problem, PLAATO can provide guidance during onboarding or through

Router Ports

The PLAATO Pros and Connect does not require any inbound traffic but does require a few outbound ports to be open. These are usually open by default, but some networks with an extra layer of security might require explicit opening of outbound ports. The required ports are listed in the table below.

To test if these ports are open on the PLAATO Connect network, you must connect to the PLAATO Cloud Connect Wi-Fi network on a PC or mobile phone and follow the links in the table below.

Description	Port	Test Link
HTTP	80	http://portquiz.net:80
HTTPS	443	http://portquiz.net:443
MQTT over TLS	8883	http://portquiz.net:8883



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Technical specifications

The PLAATO Connect is built on the proven hardware and platform of GL.iNet GL-MT300N-V2 router, but with firmware optimized for the PLAATO ecosystem.

Specification	Details
Interface	1 x WAN Ethernet port 1 x LAN Ethernet port 3 x LEDs 1 x USB 2.0 port 1 x Micro USB power port 1 x Reset button 1 x Toggle button
CPU	MTK MT7628NN @580MHz SoC
Memory / Storage	DDR2 128MB / NOR Flash 16MB
Antennas	Internal
Protocol	IEEE 802.11b/g/n
Wi-Fi Speed	300Mbps (2.4GHz)
TX Power	<20dBm
Ethernet Speed	10/100Mbps
LEDs	Power / Wi-Fi
Power Input	Micro USB, 5V/2A
Power Consumption	<2.75W
Operating Temperature	0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-20 ~ 70°C (-4 ~ 158°F)
Dimensions / Weight	58 x 58 x 25mm / 40g

