

Wireless Temperature Logger IT FAQ

What is the wireless temperature logger?

The wireless temperature logger monitors the temperature and transmits these readings back to an Ethernet base station which then uploads this data to the cloud based server.

It provides two key benefits to the user:

1. It provides a fully automated audit trail and significantly reduces labour costs as well as reducing the chance of human error.
2. It provides immediate alarm notification if a location becomes too hot or cold. These notifications are sent to smart phones (free app) and email addresses.

What parts are required?

Each point to be monitored (e.g. fridge, freezer, incubator, room) requires a wireless temperature logger.



At least one Ethernet base station is also required.



What are the specifications for the wireless communications?

The unit uses the 433MHz range. The exact frequency can be modified but typically does not need to be adjusted.

This is a public frequency and is used by other devices such as portable phones and door bells.

The loggers will communicate up to 200m “line of sight”. In reality it will communicate up to about 2 rooms away, or across a warehouse. Doors and walls reduce the range.

How does the Ethernet base communicate with the cloud?

- The Ethernet base station uses 10Base-T and uses two ports to communicate with the cloud server. Port 80 (HTTP) and 6667 are required for external communication.

DHCP is used to acquire the IP address.

At the time of writing the server addresses are 23.253.41.230 (wirelesstag.net), 130.211.169.89 and 104.130.203.171.

The Ethernet base station has minimal processing capacity and mainly relays information to and from the cloud server to the loggers. There is no configuration within the device required or possible.

How much bandwidth will they use?

Bandwidth is minimal. Periodic updates of the temperature are very small in size and only occur every couple of minutes.

Can the MAC address be provided prior to installation?

Yes. Please request it before we ship.

Does it support Wi-Fi?

Not directly - this is an Ethernet only product.

We use products like the Netgear AC750 Wi-Fi range extender to create an Ethernet port if there is only Wi-Fi is available.

Is there an operating system?

No. The Ethernet tag manager is not based on an operating system or open source code. It does not have the security risks relating to them.

Need more support?

Please email sales@onsolution.com.au or call (02)9614 6417.