MESHED
IoT INTEGRATORS

PEOPLE COUNTING

How many were there?

nCounter

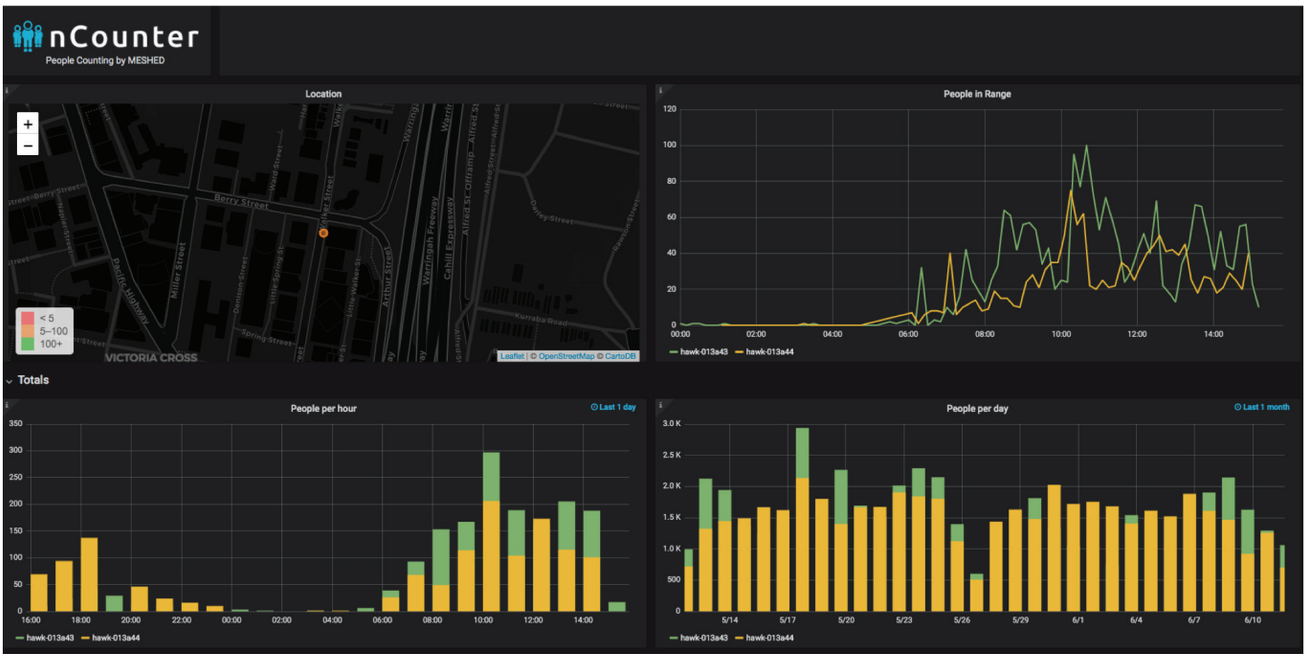
Parks | Malls | Events | Festivals
Sports Fields | Public Facilities | Tourist Attractions

Imagine having 24x7 data on how many people were in your important areas. That's what the Meshed nCounter™ solution delivers.

Based on the counting of Wi-Fi enabled smart devices in a specified zone, nCounter™ Wi-Fi device counter, reports back to base at scheduled intervals with the number of Wi-Fi connected devices that entered the zone, left the zone, and the average "dwell-time". Great for understanding crowd sizes and pedestrian counts. nCounter™ range can also be tuned to your requirements over-the-air to ensure you only catch the data you need.

The nCounter™ platform comes with data visualization, data access and storage subscription that provides you with a configurable dashboard and complete ownership of your own data.

Overlay other data such as weather, temperature, noise, air quality, retail sales for even richer insights into your business.



nCounter

LoRaWAN™

Data Sheet

How it works

The Meshed nCounter™ platform provides a data aggregation point for your people counting devices. The nCounter Wi-Fi node device establishes a “silent Wi-Fi hot-spot” that smart phones and other devices cannot see or connect to. The nCounter Wi-Fi node gathers a combination of MAC Addresses and other technical parameters voluntarily transmitted over Wi-Fi from mobile phones (and other Wi-Fi enabled devices). The device then determines the quantity of Wi-Fi emitting devices that are present in the area across 10-minute time segments. Once the count is performed by the device the gathered information is then removed from the device. The aggregated device count is transmitted over an encrypted LoRaWAN connection to a LoRaWAN gateway and then onto The Things Network straight to your dashboard and data store.

The Wi-Fi counting zone can be tuned to become larger or smaller within the normal limits of Wi-Fi hotspot technology. The maximum range is normally between 20 to 50 metres, depending on environmental variables, with a maximum device counting limit of 300 units per time segment. Data is transmitted via The Things Network to the nCounter data platform/dashboard, or other external data store, for display in graphical format. Data is continuously stored on the cloud platform and can be accessed or securely downloaded at any time by authorised users.

Meshed nCounter™ devices require LoRaWAN coverage using The Things Network and to be registered (at no cost) on The Things Network to enable data transmission. Annual subscription for platform/dashboard, data access and storage applies.

Privacy

Only the aggregated device count is transmitted over LoRaWAN and never any information that can identify an individual mobile device. Meshed possesses no information, technology or subscription that can link Wi-Fi MAC Addresses to individual people. The nCounter™ LoRaWAN devices themselves have no external interface, other than a power connector, and no data can be read directly from the device. The data generated by the people counters remains the property of the client at all times.

Specifications

Power requirements:	5v USB input - <300mA
Dimensions:	151(W) x 66(D) x 42(H)mm
Connectivity:	LoRaWAN v1.0.2 (Available as AU915 and AS923)
Outdoor rating:	IP67 enclosure with weather resistant USB power connector at base.
Solar Option Available	

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THE THINGS NETWORK