



HOW MANY PEOPLE ARE ENTERING FROM THIS DOOR?

Terabee FLOW is the flagship product in the people flow counting line: it counts people passing through an entrance/exit or a corridor and is ultra-precise (**>98% accurate**).

A single sensor can monitor an **entrance up to 3.4m wide**. Multiple sensors can be combined to monitor **passageways up to 15m wide**.

Powered by Time-of-Flight 3D sensing technology, this product has passed stringent legal review concerning **full privacy** and it ensures **proven GDPR** protection in any situation.

Designed for ease of installation, it is set up via a web GUI and runs all counting algorithms on-board, thanks to powerful edge computing. Without forced subscriptions or data lock-ins, it can seamlessly send **data directly to your server** of choice.

KEY PRODUCT FEATURES:

1. **No camera = privacy**
2. **Best Accuracy >98%**
3. **No subscription fees**



Technical Specifications

Product Code: TB-PCL-XL

Performance	
Technology	Infrared Time-of-Flight depth sensor
Field of View	74° x 57°
Footprint (Coverage Area Dimensions)	1.50 x 1.10 m @ 2.40 m high with one device
Multi-devices for wide passageways	Yes. Up to 5 devices (through Ethernet cables for LoRa model)
Installation Height	From 2.4 m up to 4.0 m
Place of Use	Indoor
Counting Accuracy	98% ⁽¹⁾
Electronics	
Power Source	Micro-USB (minimum 5 V - 2.5 A) only LoRa model RJ45 (PoE IEEE 802.3af) only PoE model
Power Consumption	10 W average (min. recommended 12.5 W for LoRa model)
Initialization Time	Approx. 1 min
Mechanics	
Dimensions and Weight	Ø 130.0 mm x 36.2 mm, 220 g
Housing Material	PU 8150 (only PoE model), ABS PA-557 (only LoRa model)
Standard off-the-shelf Colors	White, Black (additional colors on demand)
Operating Temperature	0° to 35°C
Storage Temperature	-20° to 60°C
Installation	Included: On-ceiling mounting plate. Optional: Terabee Recess Mounting Kit XL
Certifications	CE, FCC, RoHS (+ UKCA for LoRa model)

Communication: PoE Model

Frequency of Data Communication	Real-time or at predefined time intervals
Recommended Cabling	Category 6 or later
Addressing	DHCP, Static IP
Device Hostname	terabee-<serial_number>
Data Protocols	HTTP/HTTPS, MQTT/MQTTS
Remote Device Configuration	MQTT commands
Outbound Traffic Required On Port	53, 80/443, 1883/8883, 1194
Set Up Interface	Gigabit Ethernet

Communication: LoRa Model

Frequency of Data Communication	Predefined time intervals (min. of 1 minute)
Supported LoRaWan Frequencies	EU 863-870 MHz, US 902-928 MHz
LoRaWAN Activation Methods	OTAA, ABP
Antenna Specification	+0.8 dBi, VSWR ≤ 2
Remote Device Configuration	LoRa downlink commands
Set Up Interface for Configuration	Local Wi-Fi Access Point
Set Up Interface for Data Transmission	LoRaWAN (1.0.3, Classe A), Gigabit Ethernet ⁽²⁾

⁽¹⁾ Counting accuracy is assessed on the total number of entry and exit counts in representative conditions. In very diverse environments, this value may change.

⁽²⁾ On-demand, multi-device configuration or connection to Terabee services.