TERABEE

FLOW M
"People Flow Counting M 2.0"

HOW MANY PEOPLE ARE PASSING THROUGH THIS NARROW PASSAGE?

The **affordable alternative of FLOW**, Terabee FLOW M is the solution for low-traffic areas such as small meeting rooms, offices and bathrooms. It counts people passing by an entrance/exit or a corridor and is effective where **people pass one at a time**, covering only standard doors and **entrance sizes up to 0.9 m**. FLOW M can drive local equipment like lighting and ventilation systems via an analog voltage signal.

Powered by Time-of-Flight 3D sensing technology, this product ensures **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 its edge computing. Without forced subscriptions or data lock-ins, it can seamlessly send **data directly to your server** of choice.

KEY PRODUCT FEATURES:

1. **Low-cost, while compatible with FLOW products**
2. **No camera = privacy**
3. **No subscription fees**

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Technical Specifications

Product Code: TB-PCM

Performance	
Technology	Infrared Time-of-Flight depth sensor
Field of View	15°
Maximum door width coverage	90 cm when installed at 3 m height
Installation Height	From 2.3 m up to 3.0 m
Place of Use	Indoor
Counting Accuracy	95% [1]
Electronics	
Power Source	Jack 5.5 × 2.1 mm (10-30 V DC ± 5% - 1 A), PoE IEEE 802.3af/at/b (only PoE model)
Power Consumption	3 W average
Initialization Time	Approx. 15 Sec
Mechanics	
Dimensions and Weight	Ø 110 mm × 36 mm, 129 g, (141 g for LoRa model)
Housing Material	ABS PA-757
Standard off-the-shelf Colors	White (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 M
Certifications	CE, FCC, RoHS

Communication: PoE Model	
Frequency of Data Communication	Real-time or at predefined time intervals
Recommended Cabling	Category 6 or later
Addressing	DHCP, Static IP
Local Wi-Fi access point	192.168.4.1
Data Protocols	HTTP/HTTPS, MQTT/MQTTS
Remote Device Configuration	MQTT commands
Outbound Traffic Required On Port	53, 80/443, 1883/8883
Set Up Interface	Wi-Fi 802.11b/g/n or Gigabit Ethernet

Communication: LoRa Model	
Frequency of Data Communication	Predefined time intervals (min. of 1 minute)
Supported LoRaWan Frequencies	EU 863-870 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)

[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.