

## LM3001 Bluetooth® Industrial Access Point

Supports up to 28 Bluetooth device connections

Revised

29/JAN/2024

Product Brief Version

1.2




### Features

- Bluetooth® 5.0 specification
- TCP Client / server configurable
- 10M/100M adaptive network
- Bluetooth® security authentication
- Frequency range: ISM 2.400 - 2.483GHz
- Web configuration page for easy setup
- Bluetooth® profiles: SPP, HID, LE GATT
- Internet protocols: TCP/IP, HTTP, FTP, ARP, DHCP, PPP

### Applications

- Asset and personnel tracking
- Smart home, building automation
- Smart health IoT, medical, exercise and fitness
- Environmental monitoring, device data collection
- Transport and logistics

### Customisation

- Customised UI available\*
- Customised housing available, made in the United Kingdom\* 

### Overview

The LM3001 Bluetooth® Industrial access point is a powerful and versatile solution that allows a variety of Bluetooth devices to be connected to a Ethernet network, enabling high speed internet access. The access point is a Class 1 device allowing it to operate at a distance of 100m in open space using the supplied antennas.

The LM3001 can be used in a wide range of applications including asset tracking, building automation and data collection. This makes it suitable for installation in a variety of locations such as warehouses, schools, offices, factories, airports and stadiums.

The access point has quad Qualcomm modules combining Bluetooth® Low Energy (LE) and Classic radios using a dual mode Bluetooth 5.0 stack, plus a high-performance micro-processing unit and embedded Linux operating system.

The access point has a selection of customisation options and can be ordered as pictured or in your own custom design and branding.

\*Please contact our sales team for more information.

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### General Specification

#### Wireless

Bluetooth® Standard	5.0 (Dual Mode)
Product Type	Access Point
Profiles	SPP, HID, GATT, LE

#### Hardware

Chipset	Qualcomm
Antenna	4 x External SMA Antennas
Microcontroller (MCU)	400-MIPS High-Performance Processor
Interfaces	Serial (RS232), Ethernet USB, LAN
Power Supply	12V
Crystal Oscillators	26 MHz
LED Indicators	Connection status

#### RF Characteristics

Tx Output Power (Average)	8.31 dBm (Bluetooth® v2.0, v.2.1) and 7.63 dBm (Bluetooth® v5.0/v4.2)
Rx Sensitivity	TBA dBm (Bluetooth® v2.0, v.2.1) and -TBA dBm (Bluetooth® v5.0/v4.2)
Data Rate	Up to 3Mbps
Frequency	24 GHz to 2480 GHz

#### Physical Characteristics

Operating Temperature	-20°C to +65°C**
Dimensions (L x W x H)	200mm x 131mm x 31mm**
Weight (With stock antennas)	500g**
Certifications	See the website for this products certifications
Compliance	RoHS, REACH and WEEE

\*\*Subject to change.

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