

802.15.4e SOC 2483.5MHz 250Kbps 66Pin Tray

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SMD
Product Type	RF Integrated Circuits
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for LTP5901IPC-IPMA#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

SmartMesh IP wireless sensor networks are self-managing, low power internet protocol (IP) networks built from wireless nodes called motes. The LTP5901-IPM is printed circuit board assembly (PCBA) product with on-board chip antenna in the Eterna® family of IEEE 802.15.4e solutions, featuring a highly integrated, low power radio design as well as an ARM Cortex-M3 32-bit microprocessor running SmartMesh IP embedded networking software. The LTP5901-IPM, at 24mm × 42mm, is built for surface-mount assembly.

With SmartMesh IP time-synchronized networks, all motes in the network may route, source or terminate data, while providing many years of battery powered operation. SmartMesh IP is a highly flexible network with proven reliability and low power performance in an easy-to-integrate platform.

The LTP5901-IPM's behavior in a SmartMesh IP network is determined by the choice of SmartMesh IP network software loaded: Wireless Mote, EManager, or Access Point Mote in a SmartMesh IP network. The SmartMesh IP software provided with the LTP5901-IPM is fully tested and validated, and is readily configured via a software Application Programming Interface. Once you have purchased SmartMesh IP products, the SmartMesh IP stack binaries may be downloaded via your myAnalog account.

## Features

42mm × 24mm PCBA module with on-board chip antenna

Integrates 2.4 GHz, IEEE 802.15.4e System-on-Chip, Complete with Embedded SmartMesh Networking Software

Sub 50µA Routing Nodes

Serves as either a Wireless Mote, EManager, or Access Point Mote in a SmartMesh IP network

## Application

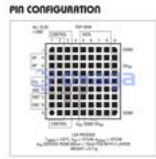
SmartMesh IP is ideally suited for wireless Industrial Internet of Things (IoT) applications. Learn more about SmartMesh applications.

## Related Products



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