K01 - MICROPNP DEVELOPMENT KIT (SmartMesh IP)

PRODUCT DESCRIPTION

MicroPnP™ is an Industrial Internet of Things (IIoT) suite that provides a simple, reliable and affordable solution for wireless sensing and control.

All MicroPnP sensors and actuators are truly plug-and-play, making them easy to install and use.

The MicroPnP Development Kit provides everything that is needed to learn about the MicroPnP technology, create basic wireless sensing and control systems and begin programming MicroPnP applications.

KIT CONTENTS:

★ **1 * MicroPnP Wireless Gateway:** Manages up to 100 wireless devices, provides a web interface and open APIs over Ethernet and WiFi.

★ **2 * MicroPnP Wireless Devices:** Forms a reliable, low-power mesh network. Each device supports 3 plug-and-play peripherals.

★ **4 * Plug & Play Peripherals:** light, temperature and humidity, passive infrared, buzzer actuator.

★ **1 * Programming Peripheral** for commissioning and updating nodes.

NETWORK TECHNOLOGY

The MicroPnP IoT Suite is designed for challenging environments such as factories, distribution facilities and data centers. It uses SmartMesh IP™ from Linear Technology® to provide a self-healing mesh network that delivers 99.999% reliability. Each MicroPnP Wireless Gateway (**M01**) coordinates a network of up to 100 MicroPnP Wireless Devices (**Pxx**). Each wireless device acts as a repeater or 'router' with an approximate indoor range of 50M. This allows a single mesh network to cover very large areas, such as entire factories, office buildings, ships or trains.

SOFTWARE SUPPORT:

★ **Web Interface:** View documentation, securely pair devices with your manager, monitor network status, configure devices, view live sensor data and control actuators.

★ **RESTful API:** A request/reply RESTful API to access and configure your network, peripherals and devices.

★ **WebSockets API:** Pushes a stream of JSON sensor data to your web sockets application.

DATA SHEETS FOR KIT CONTENTS:

P01: Wireless Device (SmartMesh IP): VersaSense-Pxx.pdf

M01: Wireless Gateway (SmartMesh IP): VersaSense-M01.pdf

S01: Passive Infrared Sensor: VersaSense-S01.pdf

S03-04: Temperature & Humidity Sensor: VersaSense-S03-04.pdf

S10: Light Sensor: VersaSense-S10.pdf

S19: Buzzer Actuator: VersaSense-S19.pdf

Z01: Secure Programming Peripheral plus Micro-USB cable: VersaSense-Z01.pdf

PRODUCT INFORMATION:

Product brochure:	http://www.versasense.com/files/VersaSense-Brochure.pdf
Product catalog:	http://www.versasense.com/files/VersaSense-Catalog.pdf
Documentation:	http://www.versasense.com/docs/

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