

TWR-METRO-KIT: Metropolitan Area Network Development Tower[®] System Kit



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Overview

This product is no longer being manufactured. For support on this product, please visit the [NXP[®] Community](#) or [Create a Service Request](#).

Metropolitan Area Networks are ideal for demanding applications such as "last mile" smart metering communication and street lighting control. A Metropolitan Area Network is typically defined by extreme reliability over many miles of distance while serving thousands of nodes per edge router or data concentrator with each node capable of meshing at dozens of hop levels deep.

The kit contains two wireless end-nodes that are either line or battery-powered, and one wireless edge-router which connects to a PC or notebook, forming a solid basis to begin network evaluation and development. The kit can be easily expanded to support up to 20 end-nodes.

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Buy



Features

- Nivis Smart Object Radio Module
- METRO-NODE-NA/JA
- TWR-METRO-NA/JA
- TWR-P1025

Kit Contains

- **One edge router contains:**
 - TWR-METRO – [TWR-TWRPI-BD](#) with Nivis Smart Object radio module and antenna
 - [TWR-ELEV](#) – Tower Elevator Board
 - [TWR-P1025](#) – P1025 Tower Board
- **Two end nodes contains:**
 - METRO-NODE – wireless end node for the development kit

Supported Devices

- [K60_100](#): Kinetis[®] K60-100 MHz, Mixed-Signal Integration Microcontrollers (MCUs) based on ARM[®] Cortex[®]-M4 Core
- [K60_120](#): Kinetis[®] K60/61-120–150 MHz, Mixed-Signal Integration & anti-tamper MCUs

based on ARM® Cortex®-M4 Core

- [MC12311](#): Sub-1 GHz RF and 8-bit HCS08 MCU with 32KB Flash, 2KB RAM
- [P1025](#): QorIQ® P1025/16 Single- and Dual-Core Multi-Protocol Communications Processors

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