

XDM2510HDK

2.4 GHz WirelessHART® Development Kit



General Overview

Based on DUST Networks' SmartMesh IA-510™ technology, Murata's XDM2510H module provides WirelessHART compatibility, excellent communications reliability and long battery life in a wide range of industrial automation applications. The XDM2510H employs dynamic network optimization and intelligent routing to achieve carrier-class data reliability, low latency, and deterministic power management. The XDM2510H is tailored for use in battery, energy saving and loop powered devices for applications that demand robust wireless network reliability. The multi-functional interfaces of the XDM2510H gives it the flexibility to be used in a wide variety of industrial applications, from process control and data acquisition to energy management.

The XDM2510H requires no embedded programming, greatly reducing the development time and cost of a wireless sensor network application. The XDM2510H is certified for unlicensed operation in the USA, Canada and Europe. The XDM2510H complies with Directive 2002/95/EC (RoHS).

Key Features

Wireless HART Compliance

- Interoperable with WirelessHART devices

Superior Reliability

- Robust network reliability in even the most challenging industrial environments
- Frequency hopping provides interference rejection and minimizes multipath fading
- Automatic self-organizing mesh networking provides built-in network path redundancy
- Every XDM2510H acts as both an end point and a router, increasing network reliability

Easy Integration

- XDM2510H provides all the module functionality with no embedded programming or complex configuration requirements
- XDM2510H interfaces are well-designed and multi-functional
- Industrial temperature range -40 to +85 °C
- XDM2510HP version for plug-in installation, XDM2510HC version for solder reflow

Kit Includes:

- 4 XDM2510H modules
- 4 XDM2510H development boards
- 1 XG2510HE gateway
- 1 Ethernet and 5 Serial cables
- 9V batteries and wall-mount power supplies
- Antennas and RF cables
- Program CD with software and manuals
- Quick Start Guide