

# Licensed Long Distance Ethernet

## Ultra-long Range Ethernet for Reliable Connectivity

### Utility Grade

Transmits wireless Ethernet 30+ miles with secure and robust two-way communication over licensed frequencies

### Selectable Frequencies

Operates in 400MHz or 900MHz up to 5W, licensed wireless transceiver capable of long range and high bandwidth communications

### Simple Configuration

Web-based configuration for Access Point/Client and Bridge/Router configuration

### Best of Both Worlds

Serves as a Serial Server (RS232/485) and Ethernet data transmission router

### Automatic Mesh Connectivity

Spanning Tree (Self Healing) support with deterministic AP to AP mesh network redundancy



Let's connect.

[www.weidmuller.com](http://www.weidmuller.com)

**Weidmüller** 

## Competitive Comparisons

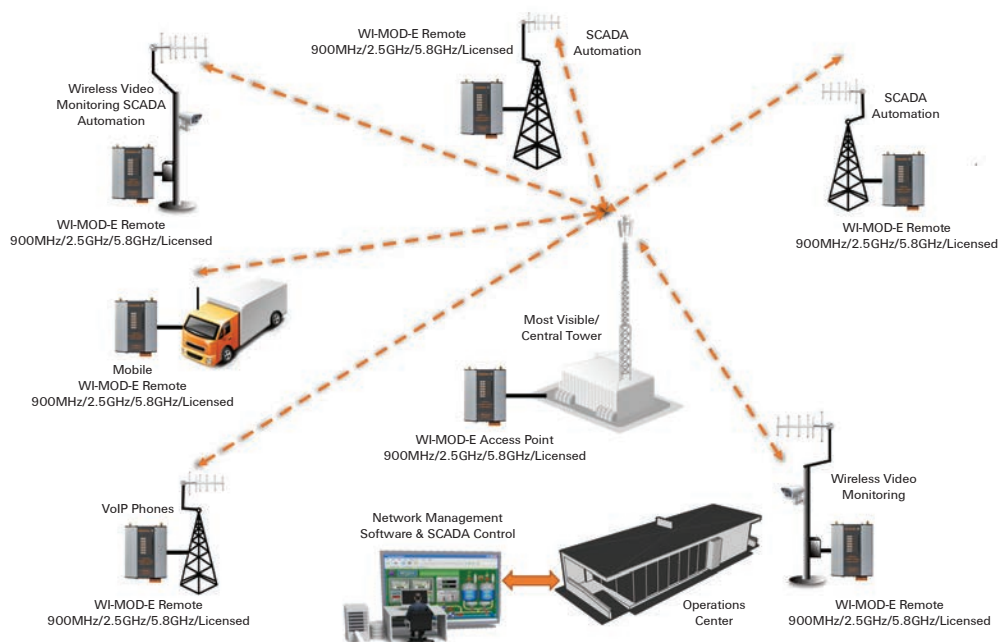
Company	Weidmüller	GE	Schneider	Motorola
Distance 50Km/31 Miles	Yes	Yes	Yes	Yes
Repeater/Mesh/Multi Hop (5+)	Yes	No	No	No
RS232/RS485/Ethernet TCP/IP	Yes	No RS232	No (Only one at a time)	No (Only one at a time)
Onboard I/O	Yes	No	No	No
Built-in Broadcast Limitation	Yes	No	No	No

## Typical Applications

These licensed wireless Ethernet modems offer powerful, long range communications for difficult-to-reach locations. Flexible options available support 360- to 512-MHz or 950MHz configurations. They offer dynamic network optimization, intelligent routing and operate in an extended temperature range. They provide industry-standard encryption (128-bit AES, 802.11i with CCMP, WEP, WPA2) and compliance, including ATEX/IECEX.

### Applications

- Remote Well Head Monitoring
- Pipeline Leak Detection
- SCADA Networks
- Environmental Monitoring
- Water Treatment Facilities
- Mining Operations Infrastructure
- Tank Farm Monitoring



## Availability

Type	Description	Temperature Range	Part Number
WI-MOD-450-E-5W	315-512MHz Licensed Ethernet Modem	-30° to +60°C	6720005017
WI-MOD-950-E-5W	928-960MHz Licensed Ethernet Modem	-30° to +60°C	6720005018

## Information

Information is available for download on our website: [www.weidmuller.com](http://www.weidmuller.com)  
Printed catalog versions are also available and can be ordered online.

Ref. No.	Description
2001460000	Wireless I/O and Ethernet Connectivity Catalog #12

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