Twin Link Series Wireless Transmitter/Receiver & Signal Repeater

Part No. DEFINE-TWIN-LINK

Part No. DEFINE-REPEATER

Click on the thumbnail or go to https://www.automationdirect.com/VID-PS-0046 for a short video on Define Instruments Twin Link Point-To-Point Wireless I/O

Effortlessly bridge the gap between remote devices with the Define Instruments Twin Link Point-to-Point Wireless System. Designed for industrial environments where cabling is costly or impractical, this pre-paired solution delivers reliable signal transmission up to 0.9 miles line-of-sight with the included antennas. With universal analog inputs, scalable 4–20 mA outputs, and flexible digital I/O, Twin Link simplifies setup and ensures seamless control and monitoring. Configure in minutes using the intuitive Define ToolBox software and extend your reach by adding up to 15 repeaters to your Twin Link system. No configuration required when used in the default transparent mode for 4–20 mA and discrete signal passing with robust, out-of-the-box wireless connectivity.

Features

- Transmits signals up to 0.9 miles line-of-sight, perfect for remote field applications. Transmits 300–500ft through walls and building materials, ideal for complex indoor industrial environments as well, using included antenna.
- Accepts a wide range of inputs (thermocouple, RTD, mA, frequency) and provides two isolated 4–20 mA outputs for seamless integration.
- Out-of-the-box ready for 4–20 mA and discrete signal applications, minimizing setup time and technical expertise needed.
- Easy Configuration via USB programming cable (DEFINE-BRIDGE-KEY required) with Define ToolBox software (DEFINE-TOOLBOX-SW), enabling quick scaling, customization, and control (Programmable temperature and pump control logic).
- 4 digital inputs, 2 digital outputs, and 2 relay outputs per node for advanced control, alarms, or pass through (transparent mode).
- Industrial-grade design with 1400 Vrms isolation, IP20-rated DIN rail mount casing, and FCC/CE approval for dependable performance.
- Optional repeaters allow for line of sight around obstacles and boost transmission distance.
- Eliminates expensive cabling, reduces installation time, and supports both transmission and control in one system.
- 5-year warranty

5 YEAR WARRANTY CE

Define Instruments Twin Link Series Wireless Selection

Part No.	Description	Manufacturer Specifications	Manufacturer Manual	Weight (lb)	Drawing Link	Price
DEFINE-TWIN-LINK	Define Instruments Twin Link series wireless signal transmitter/receiver, isolated, Input: 2-channel, current/bipolar voltage/freq/potentiometer/thermocouple/RTD, °F or °C, Output: 2-channel, loop powered current, ZigBee: 2.4 GHz, 9–36 VDC operating voltage.	PDF	PDF	0.92	PDF	$675.00
DEFINE-REPEATER	Define Instruments Twin Link series wireless signal repeater, ZigBee: 2.4 GHz, 9–36 VDC operating voltage, 35mm DIN rail mount, screw terminals.	PDF	PDF	0.38	PDF	$260.00

For complete technical information and installation see Manufacturer Tech Specs and Manufacturer Manual links.

Define Instruments Twin Link Series Wireless Accessory

Part No.	Description	Manufacturer Manual	Weight (lb)	Price
DEFINE-BRIDGE-KEY	Define Instruments fob USB adapter, for use with Define Instruments DEFINE-TWIN-LINK and DEFINE-REPEATER. (1) 2.3ft interface cable and (1) 3.2ft/1m USB extension cable included. Requires DEFINE-TOOLBOX-SW configuration software.	PDF	0.208 lb	$65.00

For additional information see Manufacturer Manual link.

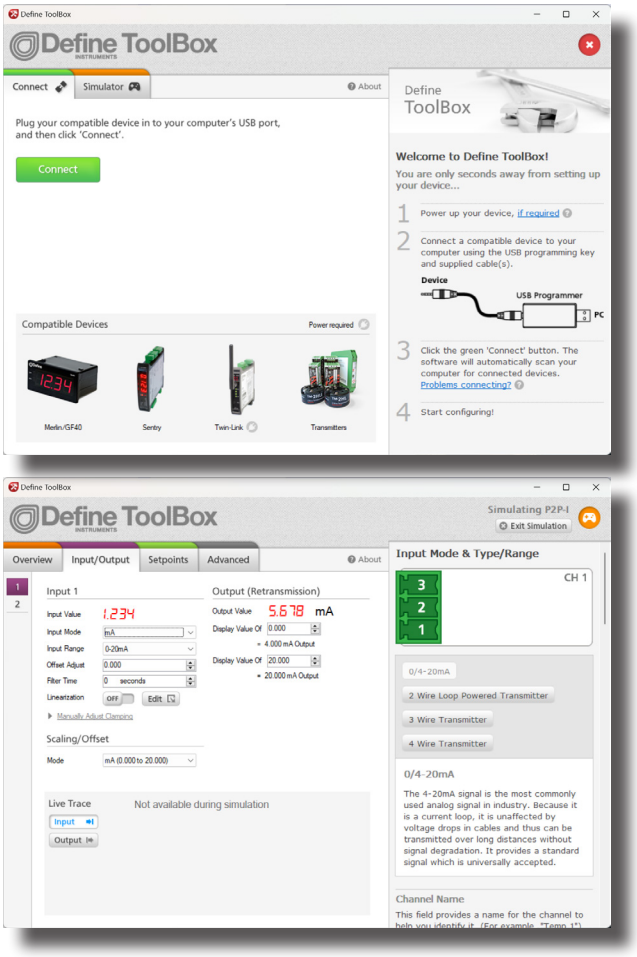
Define Windows Configuration Software

DEFINE-TOOLBOX-SW

Easily connect, configure, simulate, and monitor.

FREE Download

Easily configure and optimize your Define Instruments products with the intuitive ToolBox software. Designed for simplicity and power, ToolBox enables rapid setup of Define Instruments universal analog inputs, 4–20 mA outputs, digital I/O, and other product dependent configurations all in under 60 seconds via USB Bridge Key. Select from pre-calibrated input ranges, scale outputs with ease, and program sophisticated setpoint functions for alarms, remote control, temperature control, or pump operations. Simulation Mode enables configuration testing without hardware, making it ideal for troubleshooting or pre-deployment planning. The Import/Export feature simplifies backups and cloning, while Configuration Certificates provide professional PDF summaries for easy sharing and record keeping. Whether you're a novice or expert, ToolBox delivers flexible, click-and-select options to streamline your wireless signal transmission, ensuring reliable and consistent setup. Download ToolBox from AutomationDirect.com.



Part No. DEFINE-BRIDGE-KEY

Part No. DEFINE-BK-HM

The BK-HM is a head-mount adapter cable from Define Instruments, for the DEFINE-BRIDGE-KEY USB programming cable. It enables connection to head-mounted transmitters TM-2HL and TM-2HLI for programming via the Define ToolBox software.

Define Instruments Accessories

Part No.	Description	Manufacturer Manual	Weight (lb)	Price
DEFINE-BK-HM	Define Instruments head-mount adapter, for use with Define Instruments DEFINE-TM-2HL and DEFINE-TM-2HLI programmable temperature transmitters. Requires DEFINE-BRIDGE-KEY fob USB adapter.	PDF	0.046 lb	$15.00
DEFINE-BRIDGE-KEY	Define Instruments fob USB adapter, for use with Define Instruments DEFINE-TWIN-LINK and DEFINE-REPEATER. (1) 2.3ft interface cable and (1) 3.2ft/1m USB extension cable included. Requires DEFINE-TOOLBOX-SW configuration software.	PDF	0.208 lb	$65.00

For additional information see Manufacturer Manual links.