

Omega Link USB Smart Interface

- USB to Smart Probe Interface
- USB 2.0 compliant
- 2-meter length cable
- Omega Link, SYNC, and Omega Enterprise Gateway supported
- Modbus RTU, Modbus ASCII compatible
- Simple command line interface

USB to Smart Probe Integration

The Omega Link IF-001 Smart Interface cable provides an easy way to configure and monitor Omega Smart Probes. The USB 2.0 compliant device appears as a serial port and is compatible with Windows 10 OS or higher.

The IF-001 can connect directly to an Omega Link Gateway to integrate Smart Probes into an Omega Link ecosystem. It also provides a Modbus RTU or Modbus ASCII interface to the entire smart sensor register set.

An integrated command line interface allows for quick smart sensor register configuration and monitoring using standard terminal emulators.

The 8-pin M12 connector provides $3.3\ V_{DC}$ power for external Smart Sensor probe with an integrated power monitor to protect against short circuits.

Specifications

Environmental

Environmental Rating:

NEMA 6 IP67 when mated (M12 end only)

Operating Temperature:

-20 to 80° C (-4 to 176° F), noncondensing

Vibration: 10 Gs at 10 Hz to 500 Hz (M12 end only)

General

Power: USB Powered. Supplies up to

100 mA to sensor

Length: 2-meter cable

Agency Approvals: CE, WEEE

Setup: Supports USB PnP setup and SYNC configuration software

Interface: USB 2.0
Agency Approvals: CE

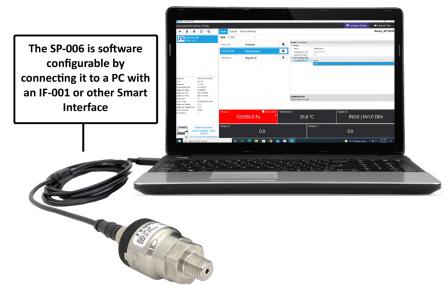
Compatibility: Windows 10 OS or

higher. Compatible with

OEG, SYNC configuration software, Omega Link Cloud, and Modbus

Networks

Software Configurable Smart Probe



Omega Link USB Smart Interface Model

| Model Number | Description |
|--------------|---|
| IF-001 | Omega Link Smart Probe USB Interface (2-meter length cable) |





Omega Link Smart Probes

Compatible Omega Link Smart Probes are integrated with an advanced suite of IIoT Smart Core features. These features enable plug and play connectivity, alarms and notifications, data assurance, data logging, and storage.

| Model Number | Description |
|---------------|--|
| SP-001 Series | Smart Probe IR, 6:1 field of view, with discrete I/O |
| SP-002 Series | Smart Probe IR, 10:1 field of view with discrete I/O |
| SP-003 Series | Temperature, Humidity, Barometric Pressure, Dewpoint, Humidex, and Heat Index Smart Probe with discrete I/O - Tube Housing |
| SP-004 Series | Temperature, Humidity, Dewpoint, Humidex, and Heat Index with discrete I/O - Tube housing or Bulkhead housing, 5" variant also available |
| SP-005 Series | Temperature and RTD Smart Probe with discrete I/O |
| SP-006 Series | Pressure Monitoring and Control Smart Probe with discrete I/O |
| SP-010 Series | Load Cell Smart Probe with discrete I/O |
| SP-013 Series | Digital Interface Smart Probe with discrete I/O |
| SP-014 Series | Process Monitoring Smart Probe with discrete I/O |
| SP-016 Series | Heat Flux Smart Probe with discrete I/O |

Compatible Omega Link Gateways

| Model Number | Description |
|--------------|--|
| GW-001-3-NA | Wireless IIoT Gateway Pro, Ethernet connectivity, power over Ethernet, connects up to 100 Omega Link Smart Sensors, Modbus RTU RS232/RS485 and Modbus TCP, 2x USB ports- 915 MHz |
| GW-001-3-EU | Wireless IIoT Gateway Pro, Ethernet connectivity, power over Ethernet, connects up to 100 Omega Link Smart Sensors, Modbus RTU RS232/RS485 and Modbus TCP, 2x USB ports- 868 MHz |
| GW-002-1-LTE | Wireless LTE IIoT Gateway Pro connects up to 40 Omega Link Smart Sensors, Modbus RTU RS232/RS485 and Modbus TCP, 1x RJ45 port, 1x USB port - 915 MHz |

Your Data at a Glance with the Omega Link Cloud

The Omega Link Cloud consolidates and brings your data to you when you need it, wherever you are. The intuitive cloud interface allows you to monitor and store your data, set alarms and alerts, and provides insights on device activity. Visit the OMEGA website for more details.

