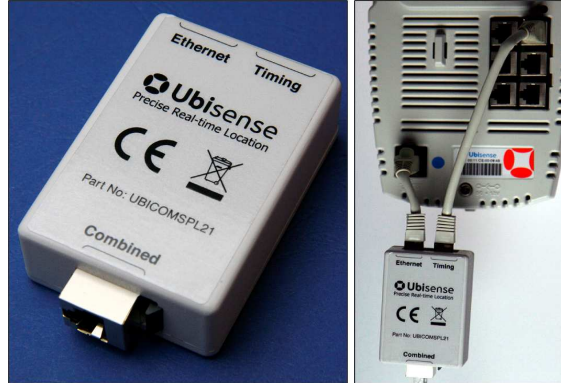


Reduce the number of long cable runs

The Network and Timing Combiner is an accessory to complement the Ubisense Series 7000 and 9000 Sensors. It is suitable for environments where cabling costs are very high or cabling is difficult to run – it reduces the number of long cable runs required for a sensor installation by combining the network, power¹ and timing signals into a single shielded cable.



Operational Description

Network and Timing Combiner modules are usually deployed in pairs. At the timing source end the module combines an unshielded Cat5e network cable with the shielded Cat5e timing distribution cable. The combined signals are then distributed over a single shielded Cat5e cable.

At the sensor end a second module is connected to the combined cable and feeds the separated networking and timing cables into the sensor.

The combined network and timing cable is compatible with existing Cat5e shielded twisted-pair (STP) structured cabling.

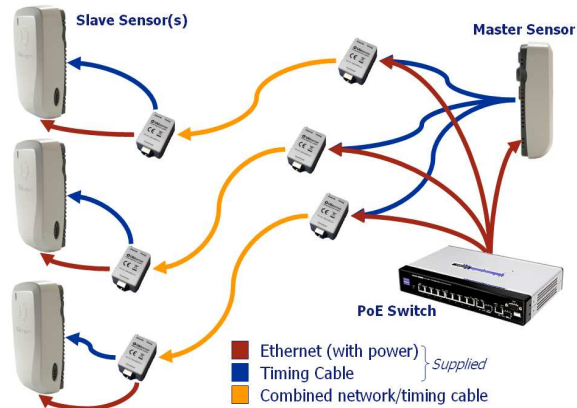
Typical Configuration

The diagram shows one possible configuration in which the modules are used to reduce the number of long cable runs required for a standard Ubisense cell by half. Other topologies are possible, depending on the final application. Please contact a Ubisense representative to review your requirements.

Use with an outdoor enclosure

When using a Ubisense IP rated sensor for deployments in either hostile or outdoor environments a special variant of the module is available. This is supplied with push-down connectors, instead of RJ45 sockets, making it easier to terminate cables directly inside the sensor enclosure via a suitable cable sealing gland.

¹ A power-over-Ethernet compatible network switch is required.



Specifications

Size and Weight

Dimensions 8.2cm x 5.2cm x 2.6cm
(3.2 x 2 x 1 inches)

Weight 90g (3.2 oz)

Supplied Accessories

- 1x 10cm unshielded patch cable (network & power)
- 1x 20cm shielded patch cable (timing)

Certifications

EN60950-1:2006

Compatible with IEEE 802.3-2005 (802.3af)

About Ubisense

Ubisense is the world leader in Precise Real Time Location Systems, tracking unlimited numbers of people and objects in any space of any size. With unmatched 15cm 3D tracking accuracy and high reliability, its acclaimed open standards technology platform gives enterprises the power to bring visibility and control to previously intractable business processes. Together Ubisense consulting and its partners, such as IBM, Atlas Copco, Lockheed Martin and Raytheon deliver geospatial and RTLS systems, pioneering innovation whilst reducing costs, gaining competitive advantage and improving safety for companies across all vertical markets. With over 400 customers worldwide including BMW, Caterpillar, DHL, Duke Energy, Deutsche Telekom, US Army; Ubisense is revolutionising industries today. Visit www.ubisense.net

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