trulifi
by Signify

# Securelink 6013

## Provides a reliable, fast and secure network access

**Introducing Trulifi Securelink**
Data connections should be reliable, secure and designed for the environment they are used in. A lot of environments are not suitable for radio communication, either because it is not allowed, it does not work, or they are not secure enough.

Moving to the light spectrum, the Securelink provides a fast, reliable alternative for cabled solutions or radio-solutions. The Securelink was designed to establish a robust connectivity solution for machine to machine communications, network to device connectivity or fulfill other connectivity needs.

Besides the high level of physical layer security due to the line-of-sight optical beam transmission, the Securelink establishes an encrypted connection to further ensure that the data is protected and safe.

## Why chose Trulifi?

**Secured Network**
To connect to LiFi you need to be in the equipped room to be able to connect, providing you a safe and secure environment.

**Reliable network**
Trulifi is ideal for busy areas, such as multi-tenancy buildings, stations, airports and public areas. Network availability and overload are no longer an issue. Trulifi provides guaranteed bandwidth without interference from other radio-based communication systems.

**Preferred network**
It is ideal for use in areas that are sensitive to radio frequencies or areas that have poor or no WiFi.

# Trulifi Securelink 6013

The Trulifi Securelink comes in three different models. A USB 3.1-C version which can be connected to any Windows or MacOS system. An Ethernet PoE powered version which can connect to an existing PoE network port and  a non PoE powered  RJ45 version which connects to any standard 100/1000 Base-TX Ethernet port and is externally powered via a 5V μUSB-port connection

The unique range, up to 8 meters, and the unique speed, on physical layer 750 Mbps, provides a fast alternative for a cable or radio system.

The plug and play design ensures easy on site installation and commissioning. The integrated on board software provides the  user with an easy option to change settings and modify login, security and performance parameters.

## Benefits
- Best-in-class performance
- No interference with lighting equipment
- Suitable for machine to machine and device to network connections.

## General Specifications

| | |
|---|---|
| Mode of operation | Point-to-Point/Point-to-Multipoint |
| Transmission mode | TDMA with dynamic bandwidth allocation |
| Modulation | OFDM (ITU G.9991 standard ready) |
| Aggregated speed physical layer | 750 Mbps |
| Net Speed | 250Mpbs upload / 250 Mbps download |
| Latency | < 2 ms |
| Power consumption | max. 4 W (full traffic load) |
| Operating temperature | –10°C to +40°C |
| Protection class | IP40 |
| Network protocol | Ethernet (transparent) |
| Security | 128-bit AES CCMP Encryption |
| Management | GUI based Web-Interface |
| Quality of Service | Packet prioritization (8 levels) |
| Dimensions | (LxWxH) (130 x 75 x 35) mm, (5.1 x 3 x 1.4) in. |
| Weight | 380 g (13.4 oz.) |
| Optional mounting features | Ceiling-mount (ball-head type for aiming); Wall mount |
| Optical transmitter | LED (red, green, blue) |
| Transmit angle | (FWHM) 8 degree |
| Receive angle | (FWHM) 17 degrees |
| Device powering options | 1. Via IEEE 802.3af PoE Class-0<br>2. via USB 3.1 Type C Gen. 1<br>3. External power via μUSB-port 5V |
| Network connections | 100/1000 BASE-TX RJ45 Ethernet LAN interface or USB 3.1 Type C Gen. 1 |
| Regulatory compliance | FCC CFR 47 Part 15B<br>CE Mark |

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