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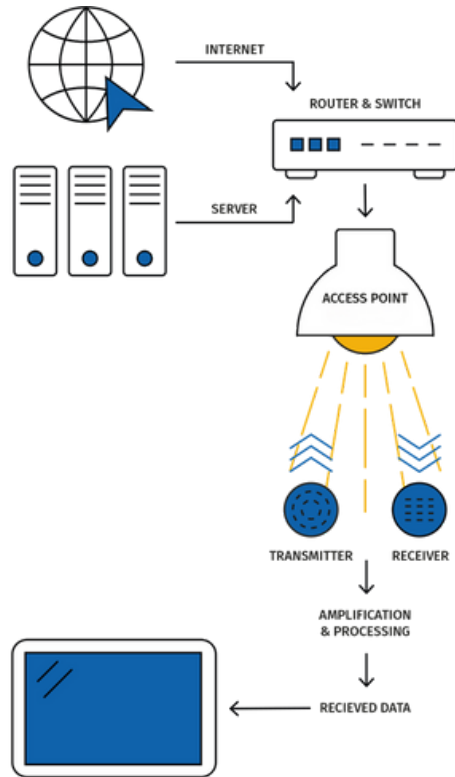
LiFi - wireless data transmission using LED light

LiFi is a wireless technology that uses light to transmit data.

aeroLiFi provides a communication system that can transmit data at high speed through infrared light. The use of visible light is also possible to combine illumination and data transmission.

From the point of view of the end user, the technology is similar to WiFi - the main technical difference is that WiFi uses radio frequency while LiFi uses light waves to transmit data through the air.

LED light fixtures can be turned into access points to connect communication devices to the network, regardless if portable or stationary.



aeroLiFi System

- Easy installation (Plug & Play)
- Compatible with Android, IOS, and Linux
- Seamless wireless connectivity
- Appealing & compact design



Our Solutions

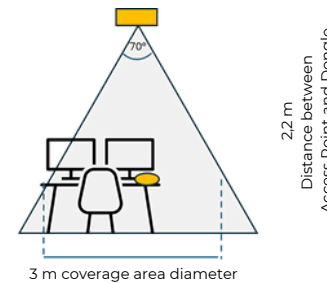


aeroLiFi Dongle

The LiFi Dongle sends and receives infrared light to provide fast, secure, and RF interference-free data transmission using LiFi.

It provides a USB interface to connect to end user devices, such as a laptops, PCs, tablets, and smart phones.

Dimension:	Diameter: 68 mm Height: 16 mm
Weight:	110 g
Interface:	Female USB 3.0 type C
Data rate:	100 Mbps
Power consumption:	< 3W



aeroLiFi Access Point

The LiFi Access Point allows multiple user devices with LiFi Dongles to connect to the LiFi network.

It also uses infrared light to provide fast and secure communication.

Dimension:	Diameter: 152 mm Height: 42 mm
Weight:	400 g
Interfaces:	PoE (IEEE 802.3at) 8-19 VDC/10W
Protocol Standard:	ITU-T G.vlc
Max no. users:	16
Data rate:	100 Mbps
Power consumption:	< 8W

The Access Point provides an opening angle of 70°.

This results in a coverage area diameter of 3 m on desktop height in a standard installation scenario (E.g. offices).

Security

Light waves are impeded by physical barriers like walls or shaded windows, facilitating signal containment in enclosed areas. This minimizes the risk of network penetration and jamming.

Eco Friendly

LiFi can combine lighting and connectivity functionalities. Utilizing existing LED light infrastructures, potential energy savings in facility infrastructures are huge.

Data Density

Congested areas with high number of active users can overload and slow down WiFi networks. LiFi increases the data rate per user, even in crowded areas.

No Health Concerns

Radiowaves, as emitted by cell phone infrastructure and WiFi devices, can penetrate and affect live tissue. By using LiFi technology, electromog can be reduced.