

# Smart light model can transfer internet data through light at speeds up to 250Mbps

Truelifi lights are capable of transferring data to devices such as laptops, smartphones or tablets at speeds up to 150 Mbps with light waves.

Signify - the company formerly known for calling Philips Lighting, famous for its Hue brand smart light - has recently launched a new series of 'Li-Fi' lamps called Truelifi with the ability to transmit internet data through light.

Specifically, Truelifi lamps are capable of transmitting data to devices such as laptops, smartphones or tablets at speeds of up to 150Mbps using light waves, instead of the used wireless signals. Used by 4G or WiFi as usual. The product range will include new light models as well as retrofit-mounted transceiver systems for existing models. According to calculations, this technology can also be used to connect two-point fixed wireless with data transfer rates up to 250Mbps.

## 1. [Infographic] Countries with the fastest Internet speed in the world



*Smart light can transmit internet data through light*

Signify products are currently targeting the professional market such as office buildings, hospitals, offices . where there is a potential to reach a much wider range of users. Of course you can still use these smart lights at home, but it will be difficult to optimize the efficiency and use it quite wasted.

Li-Fi is not a new technology and has been on the market for many years, but has not been widely used to possess great potential. Producer Oledcomm used to make the world mention their names when they launched a modern Li-Fi lamp at CES 2018, but so far, most of the company's models have failed to join commercial market.

1. Visit the net shop in Africa, open the web for 5 minutes, the record price is 419,000 VND / hour

Besides the relatively high selling price, another serious weakness of a Li-Fi lamp in most internet-connected devices like laptops and smartphones needs to own an additional adapter ( The external adapter) can receive data via Li-Fi, and of course the signal may be blocked or unstable when the receiver has problems.

Signify said users will need to plug a USB access key (USB access key) into their laptop to receive Li-Fi signals from its Truelifi products.

1. Elon Musk's global wireless Internet network will kill fiber optic cables



*USB access key to receive Li-Fi signal*

The biggest advantage of Truelifi products is that they can transmit network data through both light (Li-Fi technology) as well as traditional radio. In appropriate situations, Truelifi will use light instead of radio signals to transmit data and vice versa. For example, Li-Fi technology can be used in areas with a lot of radio frequency interference or in specific locations such as hospitals - where RF waves (radio frequencies) can interfere with specialized machinery system. Meanwhile in areas where Li-Fi signals can be easily blocked, the device will switch to radio signal transmission.

1. Google and many other large technology companies are quietly deploying projects that can change the internet world



Application of Li-Fi technology is very potential

In fact, Li-Fi signals are relatively 'fragile' and easily blocked, but this disadvantage sometimes becomes a benefit for security applications because you will have more control.

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