



LiFi Global Solutions

Connecting the Future of Internet using Light

Product Overview



Trulifi 6002 Series

Trulifi 6002 series has a net data rate of 220 Mbps downlink and 160 Mbps uplink. In combination with the unique LiFi-controller, large areas can be covered with seamless LiFi communication. Plug and play USB access keys will give the guests and users a perfect experience. The 128 bits encryption improves the security in applications where needed

6002

No cables included, needs a normal power cable and a normal ethernet RJ45 cable to be connected to your own switch.
The cables between access point and transceivers are included in the package.



Product Overview: LiFi 6002 system

| Type | Product Description | Order code | Max. data rate DL/UL [Mbit/s] | Roaming |
|-----------------------------|------------------------|--------------|-------------------------------|---------|
| 6002.1 | Access Point | 912500101793 | 150/140 | – |
| 6002.2 | Access Point | 912500101791 | 220/160 | * |
| 6002.1 | Transceiver | 912500101812 | | |
| 6002.1 | USB Key | 912500101792 | | |
| 6002 Ceiling Holder Rec ESS | Ceiling Holder Rec ESS | 912500101579 | | |
| 6002 POF Cable EU 10 m | POF Cable EU 10 m | 912500102094 | | |
| 6002 POF Cable NA 10 m | POF Cable NA 10 m | 912500102283 | | |

Trulifi 6014

6014a

Trulifi 6014 is a fixed point-to-point system. It acts as a wireless cable with a guaranteed net data rate up to 845 Mbps for the downlink and uplink. The product is IP67 rated and designed for various applications within industry 4.0, Transportation, Government and Defense roll outs.

The package included POE injector, Cables to POE injector, mounts, laser pointer and devices, Only, a network cable to the switch is needed. If there is a POE switch (at the customer site) then the supplied cable can be directly connected to that.

| Trulifi 6014 systems | | | | |
|----------------------|--------------------------------|----------------|-------------------------|--------------------------|
| Type | Product description | Order code | Max. data rate [Mbit/s] | Max. operating range [m] |
| 6014.01 APMB | Access Point 6014 | 9125 001 04193 | 528 | 0.7 - 20 |
| 6014.01 EPMB | End Point 6014 | 9125 001 04194 | 528 | 0.7 - 20 |
| 6014.02 APMV | Access Point 6014 | 9125 001 04195 | 845 | 0.5 - 12 |
| 6014.02 EPMV | End Point 6014 | 9125 001 04196 | 845 | 0.5 - 12 |
| Trulifi 6014 POINTER | Laser pointer for 6014 | 9125 001 04197 | | |
| Trulifi 6014 MOUNT | Fine-adjustment mount for 6014 | 9125 001 04198 | | |



Trulifi 6014.01 Access Point APMB incl POE + cable



Trulifi 6014.02 End Point EPMB incl POE + cable

Trulifi 6016 system

Trulifi 6016 is designed for point-to-point infrared LiFi communication in industrial and defense applications such as a Fast Field Data Link. Its extremely narrow beam design is optimized for long operating ranges and high data rates, up to 940 Mbit/s.

A Trulifi 6016 system always consists of a pair of one Access Point and one End Point. The Access Point and the End Point need to be ordered separately. A wall mount for the 6016 units is available that allows for fine-adjustment to achieve optimal alignment of the line-of-sight.

The 6016 system can be ordered as an Aircase Kit. This Peli Protector case includes a pair of 6016 units and all tools requied for fast setup and alignment in the field.

6016ac

The package included POE injector, Cables to POE injector, tripod, vizor and devices, Only, a network cable to the switch is needed.

If there is a POE switch(at the customer site) then the supplied cable can be directly connected to that.

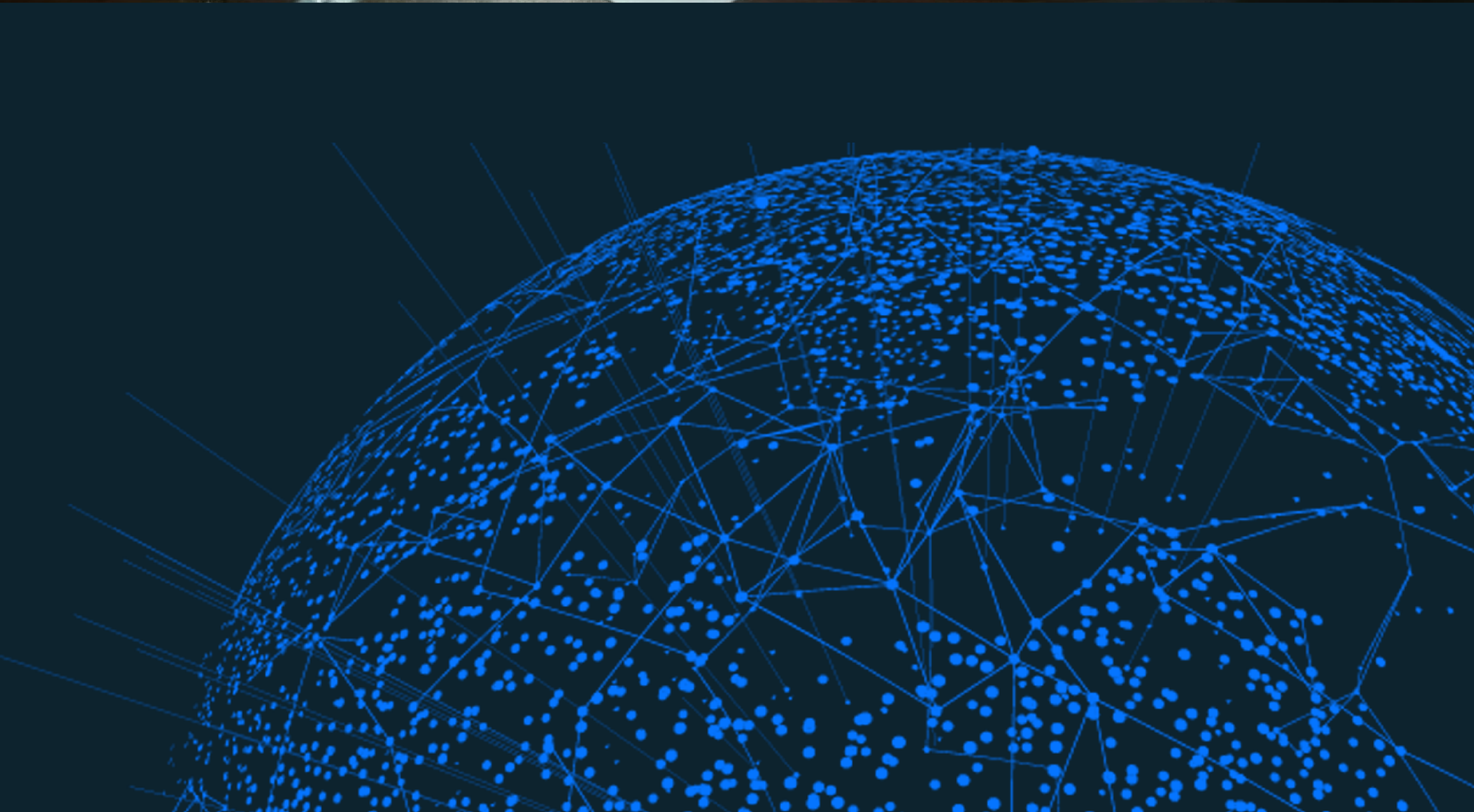
| Type | Product Description | Order code | Max. data rate [Mbit/s] | Operating range [m] |
|--------------------|---|----------------|-------------------------|---------------------|
| 6016.01 APMC1 | Trulifi 6016.01 Access Point APMC1 red | 9125 001 04199 | 940 | 10 - 300 |
| 6016.01 EPMC1 | Trulifi 6016.01 End Point EPMC1 red | 9125 001 04201 | 940 | 10 - 300 |
| 6016.01 APMC2 | Trulifi 6016.01 Access Point APMC2 green | 9125 001 04202 | 940 | 10 - 300 |
| 6016.01 EPMC2 | Trulifi 6016.01 End Point EPMC2 green | 9125 001 04203 | 940 | 10 - 300 |
| 6016 MOUNT | Fine adjuster for wall mounting | 9125 001 04206 | | |
| 6016 AIRCASE KIT 1 | 6016.01 APMC2 + 6016.01 EPMC2 + Peli case, Vizors, brackets, tripods, hammer, pegs, cables, POE injectors | 9125 001 04204 | | |

Trulifi 6016 AIRCASE Kit 1



Trulifi 6002.1 Starter Kit

Trulifi 6002.1 kit, the Kit box contents, some testing and performance results of this LiFi system, the customer experience and our own verdict (the good points and the bad points) of the Trulifi 6002.1 kit.

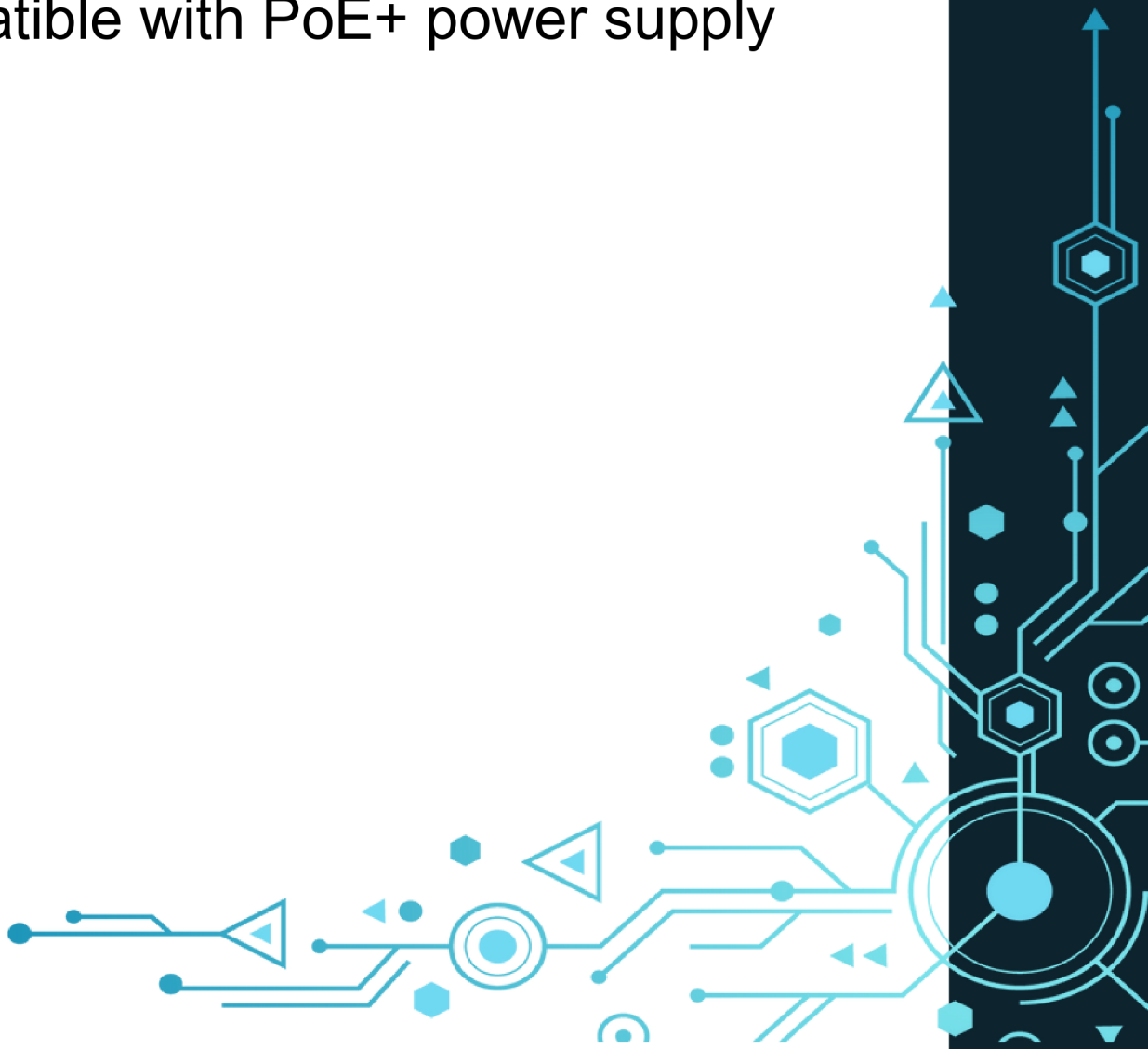


Oledcomm- LiFiMAXController

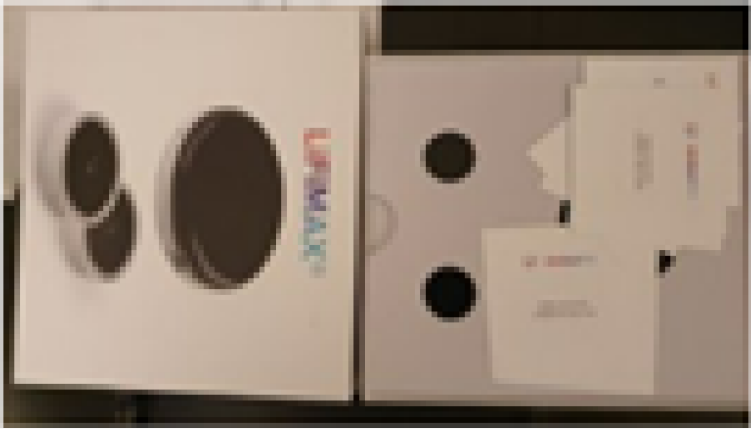
- 1 AccessPoint RevE - 100Mbps Uplink / 100Mbps Downlink
- 1 USB-C Dongle Sticks
- Accessories and cables
- DHCP server or box acting as DHCP server required to provide IP addresses to equipment and use the LiFiMAXController ;
- The Access Point must be powered by PoE+ (30W) ;

Upload/Download
150Mbps

A minimum category 6E cable is required between the injector and the Access Point, or between the switch and the Access Point (compatible with PoE+ power supply



LIFIMax KIT BOX CONTENTS



8 Port POE Switch

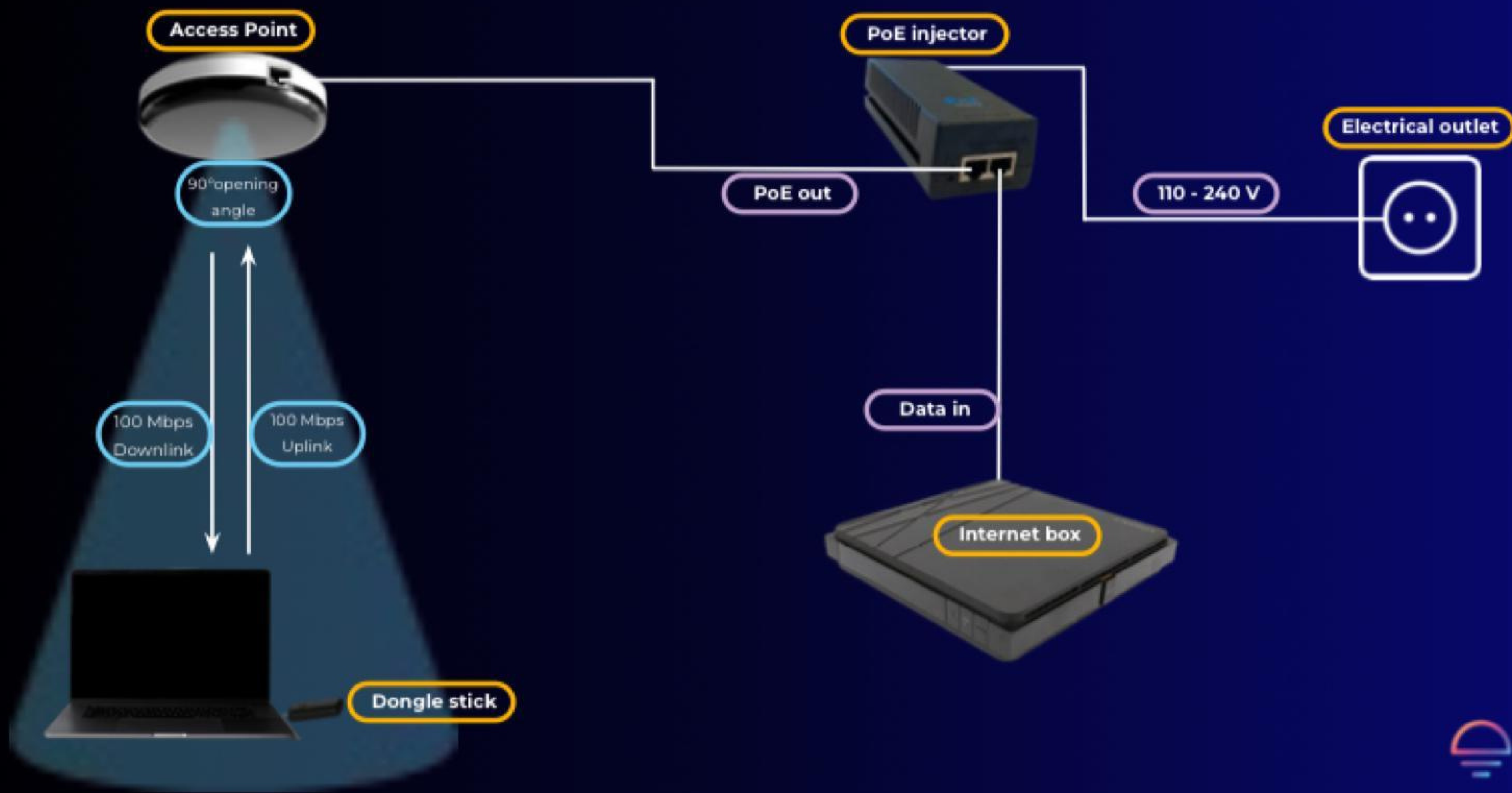
S3260-8T2FP, 8-Port Gigabit Ethernet L2+ PoE+ Switch, 8 x PoE+ Ports @240W, with 2 x 1Gb SFP Uplinks, Support ERPS

8-Port Managed PoE+ Switch is equipped with 8x 10/100/1000BASE-T ports, 2x SFP uplinks, and 8x RJ45 ports that support both IEEE 802.3af PoE and IEEE 802.3at PoE+ (up to 30W per port) for powering attached IP phones, wireless access points, or other standards-compliant PoE and PoE+ terminal network devices. 2x SFP uplink ports are provided to support connections to higher-layer devices.

This access switch delivers a compact, cost-effective solution for the carrier's IP MAN and enterprise networks. Based on the high-performance hardware and FSOS platform, it supports functions such as ACL, QinQ and QoS. Its simple management mode and flexible installation can meet the requirements of any complicated scenario



How it works ?



Factors that could drive the cost higher include:

1. **Size of the Area:** Larger spaces with more rooms or open areas may require more LiFi transceivers and routers, leading to higher costs.
2. **Customization:** If you have specific requirements or need custom solutions, such as advanced network features or specialized fixtures, it can increase the overall cost.
3. **Redundancy and Backup:** Implementing redundancy and backup systems for mission-critical applications can significantly increase costs.
4. **Professional Services:** Hiring professional installers, network engineers, and consultants can add to the overall cost.
5. **Regulatory Compliance:** Ensuring compliance with local regulations and standards may require additional investments.
6. **Maintenance and Support:** Ongoing maintenance contracts and support services can also contribute to the cost.



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