Fraunhofer IPMS

Li Fi GigaSpot

Robust, Versatile Data Link



Designed for industrial use, it offers plug-and-play installation and ranges of up to 30 m, Li-Fi GigaSpot enables secure, wireless data transmission with rates up to 1 Gbps. It supports bi-directional, half-duplex communication in both point-to-point and point-to-multipoint setups, with AES 128-bit. It offers plug-and-play installation, alignment capabilities up to 1,8 meters at 5 meter range, and operates in harsh environments from -40 to +85°C. Interfaces include Ethernet, Gigabit Ethernet, USB 3.0/3.1, and custom options, all in a compact, eye-safe (Laser Class 1) housing measuring just 50 × 50 × 80 mm.



Key Features

- Data rate up to 1Gbps
- Range: up to 30 m
- Bi-directional, half-duplex
- Point-to-Point/Multipoint communication
- AES 128-bit data encryption
- Forward Error Correction
- Plug and Play capable and easy to adjust
- Ethernet, Gigabit-Ethernet, USB3.0/3.1 and customized interfaces
- Alignment: up to 4m@5m range (EVK)
- Laser Safety Class 1 (eye safe)
- Physical size (LxWxH): down to 50x50x80mm
- Operation temperature: -40 to +85°C
- Patented Technology

Evaluation kit available!

Applications


Secure Office


Industry Automation


Space


Security

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