

GENERAL OVERVIEW

Spider Wireless Protocol

Seluxit is specifying the medium to long-range wireless protocol that the market has been missing.

The Missing Protocol

There are plenty of wireless protocols to choose from, but the problem is that certain constraints (physical, regulatory, economic and technological) mean that the perfect wireless protocol does not exist.

This is particularly the case for medium to long range. Sometimes you want to send a lot of data a medium distance, or a smaller amount of data over a long distance. Protocols like WiFi support higher data rates but have a shorter range. LPWANs focus on long distances with limited payloads but are not flexible enough to provide higher throughputs at medium ranges.

We're missing a protocol flexible enough to elegantly handle both medium and long range, and that's why Seluxit is creating Spider as an open-source initiative, driven by a dedicated alliance of international companies.

Flexible, Effective, Secure and Open

Spider's flexibility is primarily in the ability to support different ranges, supported through a clever technical specification. But Spider's flexibility doesn't stop there. Spider is compatible with other technologies, both considering hardware as well as compatibility with other high-level wireless protocols.

Spider is flexible, but not at the cost of performance and security. Spider is designed to be resistant to interference and collision, providing high performance. Spider features state-of-the-art security with large keys and a system of breaking the communication into sessions, making Spider highly secure.

Moreover, Spider is open, meaning that it will be made freely available for others to implement without paying a license fee. It will also run on the free unlicensed spectrum, both in the United States and Europe (sub-GHz ISM band).



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