

Application Program Interface (API): A set of routines, protocols, and tools for building software applications. PowerHUBB offers an optional open API allowing third-party developers to customize their facility.

Dynamic Host Configuration Protocol (DHCP): A network protocol that enables a server to automatically assign an IP address to a computer from a defined range of numbers. Master PowerHUBB nodes are DHCP-enabled and will automatically receive and IP address from the local network.

Endspan: Typically a network switch with Power over Ethernet (PoE) capabilities

Gateway: The back bone of the PowerHUBB network, a key starting and stopping point for all data on its way to or from a node. The Gateway software can reside in a Desktop a tablet or through a facility network that meets the minimum requirements defined in the PowerHUBB Technical guide.

IEEE 802.3af: Original PoE standard, 15.4W/port

IEEE 802.3at: PoE+ standard, 30W/port

IEEE 802.3bt: Upcoming PoE standard, raises power level to 90-100W/port

JavaScript Object Notation (JSON): is a lightweight data-interchange format. It is easy for humans to read and write. It is easy for machines to parse and generate. It is based on a subset of the JavaScript Programming Language, Standard ECMA-262 3rd Edition - December 1999.

JWT (JSON Web Token): An open standard (RFC 7519) that defines a compact and self-contained way for securely transmitting information between parties as a JSON object. This information can be verified and trusted because it is digitally signed. JWTs can be signed using a secret (with the HMAC algorithm) or a public/private key pair using Rivest–Shamir–Adleman (RSA).

Midspan: Power Sourcing Equipment situated between the network switch and the Power devices which injects power onto the Ethernet cable

Node: Sometimes referred to as the Powered Device (PD), replaces the AC electronic driver in a luminaire. The PowerHUBB Node also provides power and/or control points. This device attaches to the PoE network via Cat5e/6 cable deriving power from a Power Sourcing Equipment.

Powered Device (PD): e.g. IP phones, wireless access points, security cameras and PowerHUBB-enabled luminaires

Power over Ethernet (PoE): PoE is low voltage power over the same network type infrastructure and on the same wires that data can be sent.

Power Source Equipment (PSE): General term used for the PoE power supply.

Rivest–Shamir–Adleman(RSA): is one of the first public-key cryptosystems and is widely used for secure data transmission. In such a cryptosystem, the encryption key is public and it is different from the decryption key which is kept secret (private).

Spaces: In PowerHUBB's standard lighting control software package, Spaces are defined as a collection of up to but not excluding nodes (lights), switches, sensors.

SSL: Solid state lighting, i.e. LEDs

UPOE: Cisco proprietary PoE standard that delivers 60W/port over all 4 pairs in cable