intellifi
localization & identification | easy & affordable

Smartspot BLE

Cloud connected | location & sensor information | effortless

Intellifi BLE Smartspots enable new localization and sensor applications in a flash. They combine powerful Bluetooth Low Energy technology with web based information service from Brain API. With Intellifi BLE Smartspots, localization and sensor solutions can be realized smarter and faster than ever before.

The PnP properties of the Smartspot provide easy installation. Technical features like PoE (Power over Ethernet) simplify deployment and dramatically reduce costs by eliminating the need for AC outlet installation at read points. Extend your network or range with optional wireless BLE microspot antennas.

Markets

- Healthcare
- Industry 4.0
- Facility management
- Logistics
- Sensor networks

Application example

- Tracking and sensoring of beds and IV pumps
- Door-open event counts
- Office space management (occupancy)
- Motion and temperature events to the cloud
- Parts tracing and tool tracking

Key benefits

- Powerful BLE reading capabilities with cloud ready web services enabling easy integration
- Plug & play — easy to and deploy
- Unprecedented TCO by connecting up to 8 external wireless BLE antennas.

Bluetooth 4.0 Low Energy
iBeacon

Product details	generic specifications	
Communication Interface	Web services through Intellifi Brain	web service API
Data exchange	Json - www.json.org	
Ethernet	RJ45 - Supporting PoE	IEEE 802.3 af
Antenna ports	2 external antenna ports	Connects up to 8 optional wireless micro spot antennas
Optically isolated GPIO	2 inputs, 5-24V	2 outputs, max. 300mA
Optional	BLE, iBeacon supported	
Temperature	operating: -25 °C to + 60 °C	storage -40 °C to + 75 °C
Power consumption	< 4 Watt at peak	+/- 10% (at 12V power supply)
Power sources	External:	12V - 15V DC (24V with conv.)
		110V-230VAC (adapt. Incl.)
	PoE:	PoE—, 802.3at
Range	Over 100m (line of sight)	Up to 50m (indoor)
BLE Bluetooth Low Energy	Frequency range:	2.4Ghz
	Output power:	up to +8 dBm EIRP

Bluetooth™ 4.0 Low Energy

iBeacon

	Smartspot BLE	BLE micro spot antenna (optional accessory)	Smart sensor tag (optional accessory)
Dimensions	180mm x 180mm x 70mm	74mm x 74mm x 15mm	38mm x 38mm x 11mm
Form factors			
Weight	Ca. 1 KG		
Mounting	VESA (100mm x 100mm)		
IP-class	IP20 (contact us for IP65)		
Architecture			

1. Cloud *Brain* – Live *IoT* information
2. Smartspot BLE – IoT *gateway* to the cloud
3. BLE micro antenna - wireless IoT *hub*
4. Smart sensor tag – *Things & sensors*