

Intellifi Smartspots enable new localization applications in a flash. They combine powerful passive RFID and active Bluetooth Low Energy technology with web based services. With Intellifi Smartspots, Identification and Localisation solutions can be realized smarter and faster than ever before.

The unique form factor allows effortless installation because the Smartspots can easily be integrated in suspended ceiling systems. Technical features like PoE (Power over Ethernet) simplify deployment and dramatically reduce costs by eliminating the need for AC outlet installation and read points.

### Markets & applications



#### HEALTHCARE

Tracking of beds and IV pumps and people



#### LOGISTICS AND SUPPLY CHAIN MANAGEMENT

Parts tracing and tool tracking



#### EVENT / OFFICE MANAGEMENT

Participant registration & space management



#### RETAIL

Customer engagement & personal interaction



#### LAUNDRY

Smart cabinets

### Key benefits

Powerful UHF and BLE reading capabilities with cloud ready web services enabling easy integration

Plug & play – easy to mount and deploy

Unprecedented affordability and low Total Cost of Ownership



# PLUG&PLAY SMARTSPOT TILE

## Product details & generic specifications

**intellifi**

localization & identification | easy & affordable

### Product details

COMMUNICATION INTERFACE

DATA EXCHANGE

SERVICES

ETHERNET

OPTICALLY ISOLATED GPIO

TEMPERATURE

POWER CONSUMPTION

POWER SOURCES

UHF RFID

UHF RFID ANTENNA

READ RANGE / AREA

COMPLIANCE

BLUETOOTH LOW ENERGY (BLE)

DIMENSIONS

WEIGHT

MOUNTING

IP-CLASS

PACKAGING

### Generic specifications

Web services through Intellifi Brain

Json - [www.json.org](http://www.json.org)

Presences, proximities

RJ45 - Supporting power over ethernet: IEEE 802.3af

2 inputs, 5-24V

Operating -25C to +60C

7.6W at 27dBm

External:

PoE:

Protocol:

Output power:

Frequency range:

Chipset:

3x Integrated dual pole antenna

Up to > 10 m (depending on tag and antenna)

ETSI EN 302208-1

FCC part 15

Frequency range:

Output power:

Compliance:

iBeacon support

Web service API

Sence & Control, List sets

2 outputs, max. 300mA

Storage -40C to +75C

+/- 10% (at 12V power supply)

12V-15V DC (24V with converter)

110V-230VAC (power adapter supplied)

PoE-, 802.3af

EPC Global UHF Class1 GEN2,  
ISO/IEC 18000-63

11-36dBm ERP

ETSI - 865.6-867,6 MHz

FCC - 902-928 MHz

Impinj R2000

(dual linear)

Up to 100m<sup>2</sup> (radius up to 6m at 4,5m height)

EN 302208-2

IC (Industry Canada)

2,4 GHz

up to +8 dBm EIRP

EN 000328

Intellifi Smart Beacon support

### Smartspot Tile

595\*595\*75mm

3,5 kg

Fits in ceiling tile (600mm sq.) &  
VESA (100\*100mm)

IP20 (contact us for IP65)

Box size: 650\*700\*80mm

Weight: 3,9 kg

FORM FACTORS



ANTENNA RADIATION PATTERN

