intellifi
localization & identification | easy & affordable

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 Smartspot Multi allows to connect up to 16 antennas and is ideally suited for smart cabinets and smart shelves e.g. pallet shelf monitoring. 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
Automatic inventories in smart cabinets

LOGISTICS AND SUPPLY CHAIN MANAGEMENT
Pallet localization on shelves

RETAIL
Pick&pack tables, smart shelves

LAUNDRY
Smart cabinets, portals

Key benefits

Powerful UHF reading capabilities - low loss multiplexer

Easy integration - .NET SDK or Brain API web services

Plug & play – easy to mount and deploy

Unprecedented affordability and low Total Cost of Ownership

RAIN RFID

Product details

Generic specifications

INTERFACES	.NET SDK - event based	Intellifi Brain API (cloud)
TCP/IP CONNECTIVITY OPTIONS	Spot initiated socket to application (default) Application initiated socket to spot (Telnet)	Support Json based web-API, zones & locationing services
SERVICES	Presences, proximities Sence & Control, List sets	
ETHERNET	RJ45 - Supporting power over ethernet:	IEEE 802.3af
ANTENNA PORTS	16 x SMA female	
OPTICALLY ISOLATED GPIO	2 inputs, 5-24V	2 outputs, max. 300mA
TEMPERATURE	Operating -25C to +60C	Storage -40C to +75C
POWER CONSUMPTION	7.6W at 27dBm	+/- 10% (at 12V power supply)
POWER SOURCES	External: PoE:	12V-15V DC (24V with converter) 110V-230VAC (power adapter supplied) PoE-, 802.3af
UHF RFID	Protocol: Output power: Frequency range:	EPC Global UHF Class1 GEN2, ISO/IEC 18000-63 11-36dBm ERP ETSI - 865.6-867,6 MHz FCC - 902-928 MHz
READ RANGE		Up to > 10 m (depending on tag and antenna)
COMPLIANCE	ETSI EN 302208-1 FCC part 15	EN 302208-2 IC (Industry Canada)

Smartspot Multi 16

DIMENSIONS	180*180*75mm (excluding connectors)	FORM FACTORS
WEIGHT	1 kg	
MOUNTING	VESA (100*100mm)	
IP-CLASS	IP20	
PACKAGING	Box size: 365*310*80mm Weight: 1,55 kg	