



P60 presenceSensor™

Unlocking the value of location data



P60 presenceSensor

4G Sensor for advanced Presence solutions

Introducing the ip.access presenceSensor™

Fast and simple to deploy, the presenceSensors sit alongside the existing network without consuming valuable network connection resources, and with no need for complex network management and integration.

presenceSensors do not connect into the core network, but are designed to capture critical user information including location, dwell time, IMSI and range, to support Data Monetisation and Safe Cities applications.

"Always On" Location

Unlike location systems with only Wi-Fi or Bluetooth, which require users to turn on, opt-in and download an app, presenceSensors use the cellular network protocol to capture information from passing handsets - automatically, securely, and with no user intervention required.

The collected data can be enriched, anonymised and fed to other partners, unlocking valuable new revenue opportunities for the mobile operator.

Targeted, fine-grain LBS

presenceSensors can be configured and optimally located to serve smaller, much more targeted areas than is possible using cellular Location Based Services (LBS). Depending on the application, they can be configured to cover areas of interest such as shop entrances, promotions areas, security check points and passport control desks.

Application examples

- Retail and public spaces
- Footfall tracking
- Dwell time measurement
- m-commerce
- Security & fraud protection
- Push SMS vouchers
- Big Data analytics
- Optimising merchandising
- Border control points
- Crowd monitoring
- Utilities infrastructure security

P60 presenceSensor™

presenceSensor coverage

Configurable handset detection radius, 2m - 50m depending on environment

Handset detection time of 3 to 20 seconds (typical)

Logs Timestamp, IMSI, Range, Dwell Time

presenceSensor unit

Operates in LTE FDD mode

LTE bands (by model):

2 (435RP) and 3 (435SP)
with 7 (435VP) by request

(other bands available - contact ip.access for details)

Tx Power:

Maximum of 15dBm (30mW)
for 3MHz bandwidth
Maximum of 17dBm (50mW)
for 5MHz bandwidth

Channel bandwidth 3 or 5MHz

Network Listen LTE

Internal antennas

Built-in Ethernet for Backhaul
(RJ45 Ethernet port, up to 1Gbps)

Alternatively connect to P110 for Wireless Backhaul

Security

User data:
Secure Hashing, EU Data
Privacy compliant

Backhaul:

TLS1.2
X509 certificate
authentication with CRL

Handset compatibility

Air interface requires LTE support

Handset state in 2G/3G/4G idle

Subscriber networks allowed are presenceSensor operator's PLMN, international roaming, and supported MVNOs

Optional Wireless Backhaul (P110 Unit)

Operating mode defaults to 3G UMTS/HSPA+ with GSM/GPRS/EDGE fallback

3G UMTS bands 1, 2, 5/6, 8, 19

GSM/GPRS/EDGE bands 850, 900, 1800 and 1900

SIM card socket for standard 2FF Mini-SIM

Environmental & physical

Dimensions

188 x 137 x 46 mm on stand
176 x 130 x 34mm without stand

Weight

0.36kg (0.38kg with stand)

Temperature range

0° to 45°C

Operating humidity

10 to 70% non-condensing

Power input

12V DC

Ingress protection

IP30

Mounting

Free standing, wall mounted
or ceiling mounted

Power

AC adapter input

100-240V AC, 50/60 Hz

AC adapter output

12V DC, 16W maximum

P60 power draw

16W maximum

Presence System

