

P1 Private Server

Low-cost on-site / wide area WiFi / LTE radio system

✱ Virtually unlimited range and channels

DELL PC & Amazon Cloud versions

Preconfigured & easy to install

Supports 10's or 1000's radios



Trunked | TOTAL
IP Radio COMMUNICATIONS
Solution

P1 Private Server

Low cost on-site / wide area WiFi / LTE radio system

Entel's P1 server is at the heart of our new P1 radio system. P1 is equally at home in a small, on-site, WiFi only system or a national network with thousands of radios. Entel's 500 user P1 Server delivers the equivalent of a large Digital trunked network but at the cost of a single DMR repeater with aerial system.

Channels

A P1 server delivers a virtually unlimited number of crystal clear, interference free channels in both city and rural environments. Providing as many simultaneous calls as you have radio.

Range

A single P1 server is all you need to cover all the sites / area you require. Range is only limited by the networks being used. For example Entel's DN495 radio, with our four UK network roaming SIM covers approximately 94% of the UK landmass plus Europe. Other variants of the DN495 radio are available that are optimised for use in other countries. DN495 radios will also work globally wherever there is access to a WiFi network with an internet connection.

Simple

P1 is a simple solution to deliver with no ongoing radio license or aerial site rental fees to pay. Entel installs and preconfigures the software for you, all you need to do is program to your customers specific needs e.g. Group aliases, Emergency settings, GPS on or off etc.

Robust

When P1 is deployed with a low cost backup server and our 4-Network SIM's you have an extremely high degree of server and network redundancy. In the unlikely event of two UK cellular networks going down simultaneously you still have access to two more and their thousands of individual base stations.

Secure

Entel's P1 server can be configured to support AES256-bit encryption ensuring the highest level of encryption when used with Entel's DN495 radios.

Simple to maintain

P1 radios and server can remotely re-programmed over the air / internet without having to visit site. A P1 server installed in Amazon cloud can be maintained instantly from anywhere in the world.

DELL PC and Amazon cloud options

The cloud server has the benefit of the lowest up-front costs, is easier to maintain, very secure, is easier to backup and implement redundant servers. There are some moderate ongoing fees associated with hosting your server in the cloud (which can be avoided by using a DELL PC server).

A DELL PC based P1 server, which can support up-to 500 DN400 radios, has a higher up-front cost (about the same as a single DMR repeater and aerial system) but has the benefit of little or no on-going costs. A DELL PC P1 server can be used off-line, e.g. with no internet connection making it ideal for mine / tunnel communications, cruise ships etc.

Voice, Data, location & Message Recording

P1's built in safety and evidence recording is ideal to monitoring and logging safety of your staff, e.g. parking attendants, social workers etc. This feature can easily be disabled (should you prefer not to record anything at all).

Key benefits of P1 over other types of radio systems

- In many cases P1 is much lower in cost and delivers far superior performance and features
- No channel limitations, you get a virtually unlimited number of crystal clear, interference free, private channels (groups)
- Virtually unlimited number of one-to-one calls (you can make as many simultaneous calls as you have radios)
- Virtually unlimited range, e.g. with Entel's optional low-cost EU roaming SIM DN495 covers 94% UK landmass, most of Europe plus any accessible WiFi networks globally
- Rapid deployment almost anywhere, no need to wait for radio licenses, aerial systems to be installed etc.
- Everything is over the air programmed, no need to visit site or courier radios back and forth.
- Offers a higher degree of infrastructure redundancy
- Native integration with Smartphones
- Advanced, low-cost, all-in-one, desktop dispatcher (costs less than a fixed mobile)

Key features

VOICE

- Group and individual calling
- Broadcast / All call*
- Priority call (call interrupt)
- Talk Group monitor (listen to two or more groups at a time)
- Dynamic calls
- Contact book
- Voice recording

MESSAGING & DATA

- Send / receive text messages to / from a DN radio*
- Send text messages to some / group / all DN radios*
- GPS location data
- Data recording

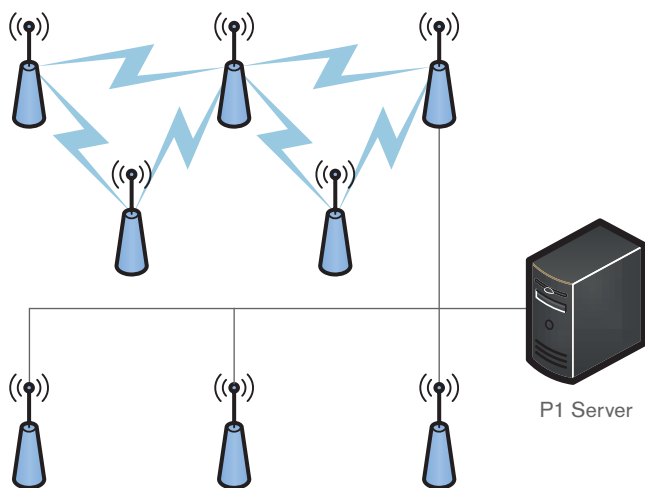
EMERGENCY

- Emergency / Lone-Worker / Man-Down (with DN radios)
- Emergency call GPS location
- Remote mic live

GENERAL

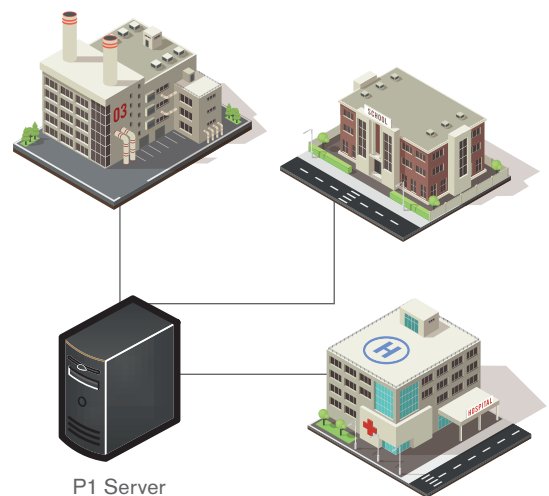
- Communication with existing radio systems (requires Radio Gateway)
- Remote configuration and programming over IP
- Presence check (see who is on-line)

Typical configurations and applications



Single site – Existing WiFi Mesh / Wired network

- Warehousing / Manufacturing
- Mines / Tunnels
- Cruise ships / Leisure
- Shopping centre / Retail
- Sports grounds

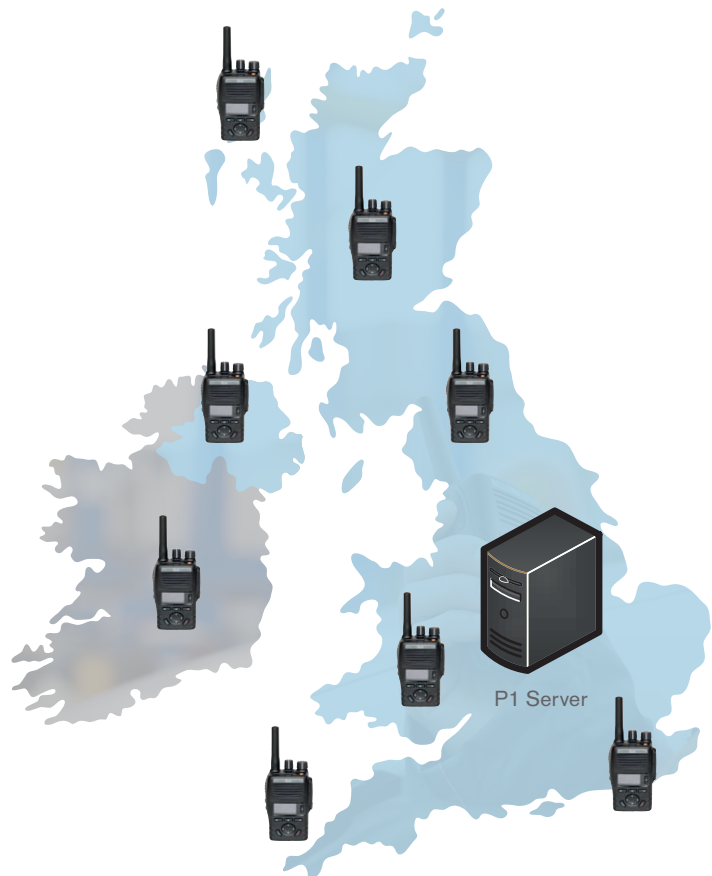


Multi-site – Existing WiFi networks

- Hotel chains
- Healthcare
- Universities / Student accommodation
- Retail chains
- Manufacturing

Regional / National – Cellular networks (UK just used as an example)

- Local authorities
- Utilities
- Transport
- Couriers / Haulage
- Highways maintenance
- Sporting events / Marathons / Cycling / Rally



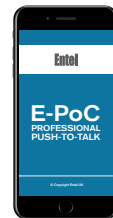
Compatible products



DN400 series
P1 radios



PC Dispatcher Software
with GPS map



Android & iOS
Smartphones



VHF / UHF, Analogue / Digital
& Universal Gateways



PC Evidence
recording software



Low-cost, all-in-one,
Desktop Dispatcher

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