

Business  
Critical  
Communications

Entel

# DN400 Series

4G LTE Wi-Fi PoC Radio

✳ MCX (Mission Critical Services) Ready

💧 Industrial Grade IP68

🔧 Basic to Advanced Configuration

👤 Simple User Management



National Cellular Network | AES 256 SECURITY ENCRYPTION



# DN400 Series

## 4G LTE Wi-Fi PoC Radio

Part of Entel's E-PoC Push-to-Talk over Cellular (PoC / Wi-Fi) Solution, DN400 4G LTE Wi-Fi PoC radios operate on National cellular networks. Combine this with the simplicity of traditional PTT operation and DN400 radios deliver a significant step forward in capability and user benefits. A Smartphone App, Radio Gateway and Dispatcher options add even more flexibility.

### Practically Unlimited Range

DN400 radios deliver instantaneous PTT calling over Cellular & Wi-Fi networks. Entel's multi-network un-steered roaming sim offers the very best network access and coverage.

### Basic to Advanced Configuration

DN400 radios can be configured for simple press to talk operation or the more sophisticated features that you'd expect of a high-end two-way radio system.

### No Limitations

The DN400 enables your workforce to make a practically unlimited number of simultaneous calls.

### No License, No Interference!

There's no need for a radio license and best of all you won't suffer channel interference from other radio users.

### Cost Effective

With no need for your own expensive infrastructure Entel's simple pricing options are especially attractive when compared to traditional two-way radio systems.

### Ready To Go

DN400 radios are supplied preconfigured and ready for use, just unpack, charge and go!



Entel's E-PoC software has been optimised in conjunction with TASSTA GmbH



Rugged Accessory Socket

Long battery life

GPS & Bluetooth



IP68 Commercial Grade Construction

High Contrast OLED

Drop-In Charger as standard



## Instantaneous Updates

DN400 radios are updated and programmed over the air (OTA), instantly, no matter where they are.

## Scalable

Entel's simple and flexible pricing options can be adapted to your business needs. There are no heavy up-front Infrastructure or ongoing Site / Line rental, IP Link or License costs to worry about.

## Cross Platform Communications

DN400 radios form part of a solution that can unify your mobile communications. Other products in the range include a PC Dispatcher App, Smartphone App & Radio Gateway (allowing connection with existing radio systems), everyone can talk together at the press of a button.

## Secure & Resilient Communications

Entel's service utilises AES-256 encryption to ensure the highest level of privacy and data security. Entel's servers are locally hosted, e.g. Entel's EU server is hosted in a UK Tier III+ data centre with further remote back up servers.



## Emergency Features

As standard, the DN400 Series supports Emergency button, Lone-Worker and Man-Down with automatic transmission of the radio's GPS location.



## Comprehensive Maintenance

In addition to the standard 2-Year Warranty, Entel's optional 3 / 5-Year Comprehensive Maintenance service also covers accidental damage.

## Presence Check

If required, DN400 radios can be configured to indicate which users are on-line.

## Ultra-Compact & Loud!

DN400 radios are the most robust, compact commercial Grade LTE radios available today. Despite their compact size they produce outstanding audio clarity & volume levels that exceeds radios twice their size.

## Accessories

A comprehensive range of high quality Entel accessories are available from covert earpieces to bone conductive and Bluetooth options.

## Lowest Call Latency

Entel's, Radios, Apps, Servers and SIM's have all been optimised to deliver call latency times equivalent to DMR radio systems.

## Rapid Deployment

DN400 radios can be deployed anywhere in just a few hours. Perfect for applications such as highways maintenance, events and logistics etc.

## Key Features

- ✓ Compact, rugged
- ✓ IP68 Submersible
- ✓ Outstanding battery endurance
- ✓ 3 Watts of audio, loudest in class
- ✓ Built-in GPS & Bluetooth
- ✓ AES256 Encryption as standard
- ✓ OTA Programming & Updates
- ✓ Practically unlimited range
- ✓ Practically unlimited simultaneous calls
- ✓ High contrast white on black OLED display
- ✓ No expensive license fees or Infrastructure
- ✓ Works out of the box

# Technical Specification

Frequencies, Standards & Approvals	
Frequency Bands	DN495 EMEA, Korea, Thailand, India LTE FDD: B1/B3/B5/B7/B8/B20 LTE TDD: B38/B40 WCDMA: B1/B5/B8 GSM: 850/900/1800/1900MHz 2.4G/5.8G 802.11 a/b/g/n*  Other band variants available on request
Wi-Fi	2.4GHz / 5.8GHz 802.11 a/b/g/n*
Bluetooth	BT2.1+EDR / 3.0 / 4.1LE
Satellite positioning	GPS / GLONASS / BeiDou (BDS)
Dust & Liquid protection	IP68 (2 metres for 4 hours fully submersible)
Shock & Vibration	
Drop test	MIL-STD-810 C/D/E/F/G
Packing test	
Encryption	AES256
ESD	IEC 61000-4-2
Approvals	Please see: <a href="http://www.entel.co.uk/red">www.entel.co.uk/red</a>

General	
Channel capacity	Virtually unlimited
Contact list	>1000
Dimensions	97mm x 59.5mm x 33mm (with CNB420E battery) 97mm x 59.5mm x 37mm (with CNB450E battery)
Weight	243g (with CNB420E battery) 267g (with CNB450E battery)
Battery, Capacity / Chemistry / Endurance (5/5/90)	CNB420E - 1350mAh - Li-Ion - 11 Hours** CNB450E - 2000mAh - Li-Ion - 17 Hours**
SIM Card slot	Nano (4FF) Entel's SIM is internal to the radio
Audio Output	3-Watts RMS (internal & external speaker)
Microphone	Echo cancellation & Noise reduction
Operating Temperature	-20 to +60°C
Storage Temperature	-30 to +75°C

\* 5.8GHz variant on request

\*\*With GPS & Bluetooth off

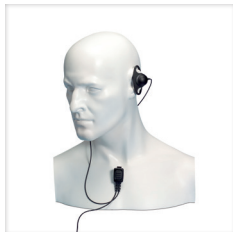


## Accessories

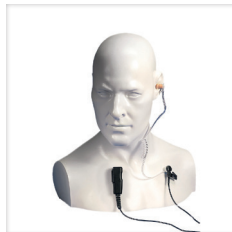
Supplied package includes: Li-Ion battery pack, rapid drop-in charger, belt clip, high-efficiency antenna and quick-start user guide.



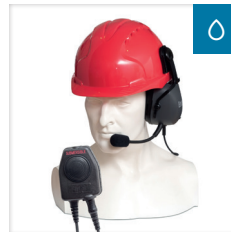
**CSBHX**  
Six-way charger



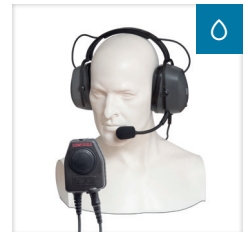
**EA12/DX**  
Earpiece microphone



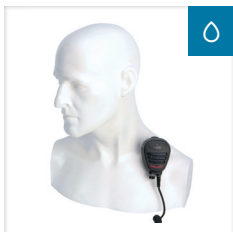
**EA15/DX**  
Covert earpiece microphone



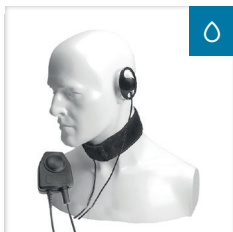
**CHP450HS/DX\***  
Hard hat ear defender submersible PTT



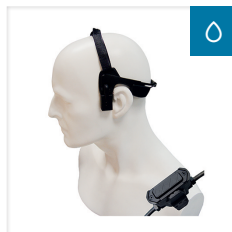
**CHP450D/DX\***  
Headband ear defender submersible PTT




**CMP/DX**  
Submersible heavy-duty speaker microphone



**CXR16/DX\***  
Bone conductive throat mic, submersible PTT



**CXE19/DX**  
Submersible bone conductive skull mic

 Submersible products are represented with a water droplet.

For the complete range of accessories please visit our website. All specifications are subject to change without notice.

\* Submersible - PTT only

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## Contact

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