Business Critical Communications



# **DN400 Series** 4G LTE Wi-Fi PoC Radio



(**0**) Industrial Grade IP68

Basic to Advanced Configuration

( Simple User Management

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## National SECURITY ENCRYPTION Cellular Network



# 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 unsteered 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





#### **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	s & Approvals	General
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	Channel capacity
		Contact list
		Dimensions
	2.4G/5.8G 802.11 a/b/g/n*	Weight
	Other band variants available on request	
Wi-Fi	2.4GHz / 5.8GHz 802.11 a/b/g/n*	Battery, Capacity / Chemistry / Endurance (5/5/90)
Bluetooth	BT2.1+EDR / 3.0 / 4.1LE	
Satellite positioning	GPS / GLONASS / BeiDou (BDS)	SIM Card slot
Dust & Liquid protection	IP68 (2 metres for 4 hours fully submersible)	Audio Output
		Microphone
Shock & Vibration Drop test	Compliant MIL-STD-810 C/D/E/F/G	Operating Temperature
Packing test		Storage Temperature
Encryption	AES256	
ESD	IEC 61000-4-2	
Approvals	Please see: www.entel.co.uk/red	

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, drop-in charger, belt clip, high-efficiency antenna and quick-start user guide.



**CSBHX** Intelligent six-pod rapid charger



CMP/DXS - simple version CMP/DXE - with earpiece socket Heavy duty speaker microphone



EA12/DX Earpiece microphone

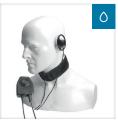


Bone conductive skull mic with in-line PTT





EA15/DX Covert earpiece microphone



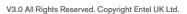
CXR16/DX\* Throat mic/headset with heavy-duty PTT



CHP450HS/DX\* Single-sided ear defender headset for hard hat use



CLCDX2 - non display CLCDX5 - display A heavy duty leather carry case with swivel belt loop and strap



CHP450D/DX\*

 $\Diamond$ 

Double-sided ear defender

Submersible products

are represented with a water droplet.

headset with headband

For the complete range of accessories please visit our website. All specifications are subject to change without notice. \* Submersible - PTT only

## Contact

For more information about our products, please contact us: Entel UK, 320 Centennial Avenue Centennial Park, Elstree, Borehamwood, Hertfordshire WD6 3TJ, United Kingdom

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