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

www.entel.co.uk/dn400

DN400 Series

4G LTE Wi-Fi PoC Radio

Entel's 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 PC 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

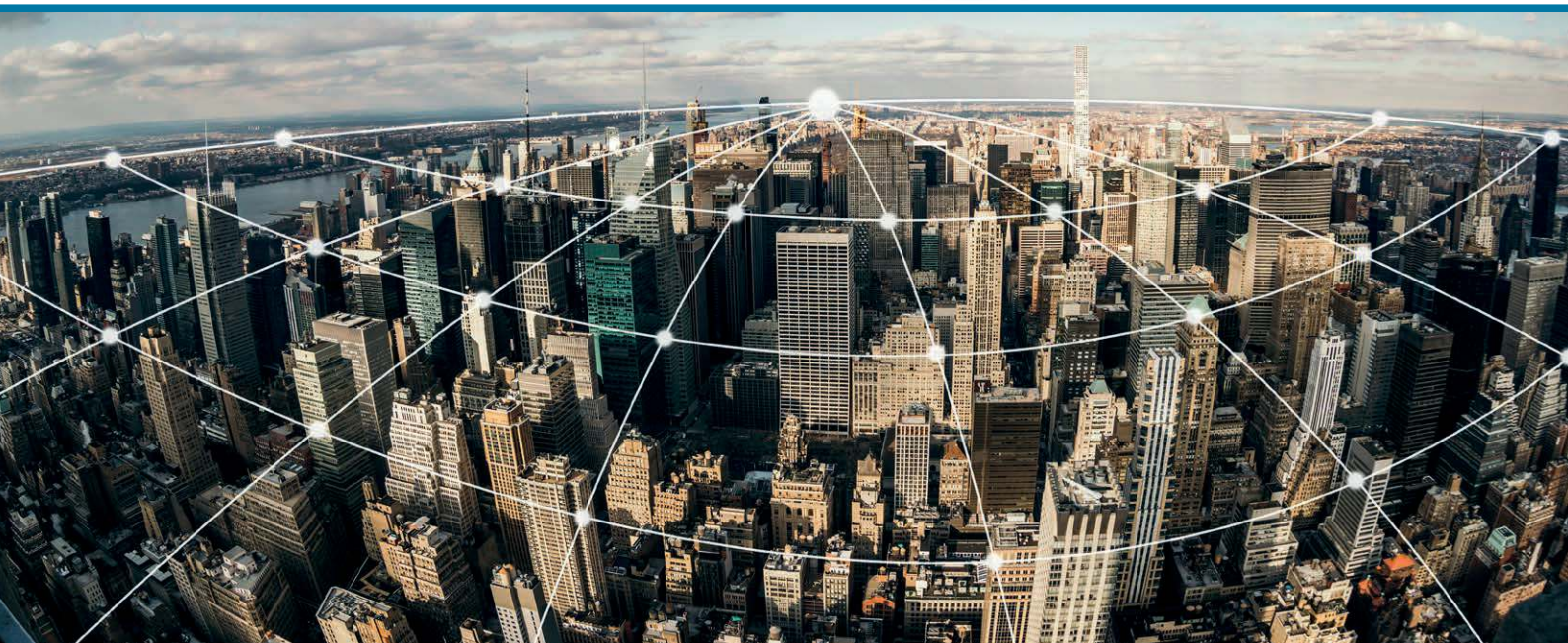
With no need for your own expensive infrastructure Entel's simple pricing options are especially attractive when compared to traditional two-way radio systems.

Ready To Go

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

TASSTA

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

DN400 supports an Emergency button, Lone-Worker and Man-Down features with automatic transmission of the radios precise 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

DN400 highlights

IP68 Commercial Grade Construction

Exceeding MIL-STD 810C/D/E/F/G and IP68 2 meters, 4 hours Submersible, DN400 radios undergo rigorous life-cycle testing and are designed to deliver many years of trouble free use, even in the most demanding of environments.

Drop-In Charger as standard

DN400 radios are suppled with a rapid, drop-in charger as standard.

High Contrast OLED

DN400's OLED display provides exceptional readability in all conditions. The display shows important information such as the selected channel, who's calling, contact list, signal strength, battery charge etc.

23 Hours Battery Endurance

From a single charge, DN400 radios deliver a market leading battery endurance time of up-to 23-hours.

GPS & Bluetooth

DN400 radios can be configured to send their location for both management and safety purposes. This information can be displayed and managed via the PC Dispatchers map. Bluetooth supports Entel's range of Bluetooth audio accessories.

Rugged Accessory Socket

DN400's rugged locking accessory socket is submersible (even with it's cover removed) and gold-plated contacts minimise any risk of damage from corrosion. All Entel's accessories also incorporate gold-plated contacts, a robust plug and high-grade cable.

DN400 Feature highlights

- Individual calls
- Group calls
- Dynamic Groups
- Presence Check
- AES-256 (as standard)
- Text Messaging
- Status Messaging
- Broadcast Calls
- Call Interrupt
- Sending GPS location

Emergency features:

- Panic Button
- Lone Worker
- Man Down

Smartphone App Feature highlights

- Individual Calls
- Group Calls
- Dynamic Groups
- Presence Check
- Text Messaging
- Status Messaging
- Broadcast Calls
- Call Interrupt
- Sending GPS location
- Map

Emergency features:

- Panic Button
- Lone Worker
- Man Down

PC Despatcher Feature highlights

- Group, Individual & Broadcast Voice Calls
- Presence Check
- Dynamic Groups
- Emergency Call Management
- Remote Monitor
- Text Messaging
- Status Messaging
- Call Interrupt
- GPS Mapping
- Voice Recording
- Data logging
- Optional indoor location
- Optional location tool e.g. Geofencing

Radio Network Gateway Feature highlights

Connect two or more different radio systems with each other, supports:

- Entel PoC
- DMR T2 & T3
- Analogue PMR
- MPT1237
- TETRA
- NXDN

Also Supports:

- Group & Individual Calling
- Group & Individual Text
- Messaging
- GPS tracking

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 Packing test	MIL-STD-810 C/D/E/F/G
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 - 16 Hours CNB450E - 2000mAh - Li-Ion - 23 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

Accessories

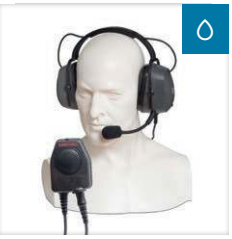
Supplied package includes: Li-Ion battery pack, rapid charger, belt clip, high-efficiency antenna and quick-start user guide.

CSBHX
Six-way charger

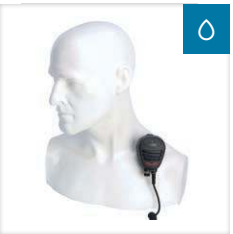
EA12/DX
Earpiece microphone

EA15/DX
Covert earpiece microphone

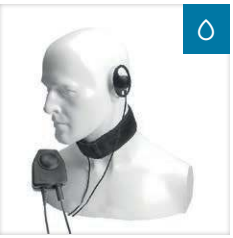
CHP450HS/DX*
Hard hat ear defender submersible PTT



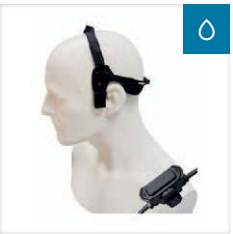
CHP450D/DX*
Headband ear defender submersible PTT



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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