The Wireless Devices (DCNM-WD and DCNM-WDE) of the DICENTIS Wireless Conference System enable participants to speak, register a request-to-speak, and listen to a speaker during a meeting. Both devices can be easily configured as a single-use, dual-use or chairperson Wireless Device via the web browser interface of the Wireless Access Point (DCNM-WAP).

The Wireless Device Extended (DCNM-WDE) enables advanced meeting efficiency due to the 4.3 inch capacitive touch screen and Near Field Communication (NFC) reader for identifying users.

Functions

General
- The Wireless Devices connect to the DCNM-WAP.
- Single-use, dual-use or chairperson can be configured via the web browser interface.
- Audio mute button.
- Operates in the (license-free) bands:
  - 2.4 GHz.
  - 5 GHz (UNII-1, UNII-2, UNII-2 extended, and UNII-3).

DCNM-WD
- Used for basic discussion.

DCNM-WDE
- 4.3 inch capacitive touch screen and built-in NFC reader for fast recognition of participants
- Option to display personalized custom logo on the touch screen
- Removable Battery Pack, easy to change and charge
- Configurable as a participant, dual-use or chairperson Wireless Device by use of web browser interface
- Functionality can be expanded with software modules without the need for hardware modification
- Dual use functionality by use of software module.

Speech intelligibility
- Maximum speech intelligibility is guaranteed at all times.
- The Wireless Devices connect to the DCNM-WAP.
- They produce crystal-clear sound due to a very high signal-to-noise ratio and smart frequency selection.
- The loudspeaker and microphone can be active at the same time for a face-to-face meeting experience. To prevent acoustic feedback, a feedback suppressor is built-in.

The Wireless Devices connect to the DCNM-WAP. The loudspeaker and microphone can be active at the same time for a face-to-face meeting experience. To prevent acoustic feedback, a feedback suppressor is built-in.
**Zero Interference**
- Based on standard WiFi.
- Seamless automatic frequency channel switching.
- WiFi coverage area range test.
- Packet Loss Concealment.

**Security**
- The DICENTIS Wireless Conference System and Wireless Devices have secure connectivity using WPA2 to prevent eavesdropping and unauthorized access.
- Encryption ensures that information within the system remains confidential.

**Microphones**
- A socket is provided to connect a pluggable microphone (DCNM-HDMIC, DCNM-MICS or DCNM-MICL).

**Headphones and loudspeakers**
- The Wireless Devices accommodate two headphone connections and controls (on the left and right-hand side), so the speaker can be clearly heard, even when there is excessive background noise.

**Battery maintenance**
- Rechargeable Battery Pack (DCNM-WLIION).
- The lithium-ion Battery Pack can be removed and replaced in a matter of seconds, providing maximum flexibility in recharge scheduling.
- Smart battery management via web browser interface control (battery status and usage counting time).

**Controls and Indicators**
- On top side:
  - 4.3 inch capacitive display with touch screen (DCNM-WDE only).
  - Microphone with a red or green indicator:
    - Red indicates microphone is active.
    - Green indicates request-to-speak accepted.
  - LED indicators on device showing:
    - Microphone on state – Red.
    - Possible-to-speak – White.
    - Priority – White (Chairperson only).
    - Request-to-speak – Green.
- On the left and right-hand side
  - Headphone rotary volume controls.
- On rear-side:
  - Yellow out-of-range of Wireless Access Point LED indicator.
  - Red battery low LED indicator.
- Under base-side:
  - Recessed, so called ‘De-init,’ switch to disconnect the connected Wireless Device with the Wireless Access Point (DCNM-WAP).

**Interconnections**
- Socket for pluggable microphone.
- Two 3.5 mm (0.14 in) headphone sockets stereo jack type.

**Certifications and approvals**

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<thead>
<tr>
<th>Region</th>
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**Technical specifications**

**Electrical**
- Supply voltage (battery pack) 7.5 Vdc
- Power consumption 4.5 W
- Operating time DCNM-WD > 24 hours (20% speech, 80% listening)
- Operating time DCNM-WDE > 20 hours (20% speech, 80% listening)
- Frequency response 100 Hz – 20 kHz (-3 dB at nominal level)
- THD at nominal level < 0.1 %
- Dynamic range > 90 dB
- Signal-to-noise ratio > 90 dB
- Headphone load impedance > 32 ohm <1k ohm
- Headphone output power 15 mW

**Radio**
- WiFi standard IEEE 802.11n
- Frequency Range 2.4 GHz and 5 GHz (ISM license free)

**Audio inputs**
- Nominal microphone input 80 dB SPL according IEC60914
- Maximum microphone input 110 dB SPL according IEC60914

**Audio outputs**
- Loudspeaker nominal output 72 dB SPL at 0.5 m
- Loudspeaker maximum output 80 dB SPL
**Headphone nominal output**  
0 dBV

**Headphone maximum output**  
3 dBV

### General

**Screen size**  
(DCNM-WDE only)  
4.3 inch

**Screen type**  
(DCNM-WDE only)  
Capacitive multi-touch

**Supported contactless NFC tag**  
(DCNM-WDE only)  
According to: ISO/IEC14443 Type A (from 106 kbps to 848 kbps. MIFARE 106kbps).

### Mechanical

**Mounting**  
Tabletop

**Dimensions (H x W x D)**  
without microphone  
72 x 259 x 139 mm  
(2.8 x 10.2 x 5.5 in)

**Weight:**  
DCNM-WD  
590 g (1.30 Lb)

DCNM-WD + Battery Pack  
1051 g (2.32 lb)

DCNM-WDE  
670 g (1.47 lb)

DCNM-WDE + Battery Pack  
1131 g (2.49 lb)

**Color (top and base)**  
Traffic black (RAL 9017)

### Environmental

**Operating temperature**  
5 ºC to +45 ºC  
(41 ºF to +113 ºF)

**Storage and transport temperature**  
-20 ºC to +70 ºC  
(-4 ºF to +158 ºF)

**Relative humidity**  
< 95 %, > 5%

### Ordering information

**Wireless discussion device**  
DICENTIS Wireless Device. Pluggable microphone and battery pack to be ordered separately.  
Order number DCNM-WD

**Wireless discussion with touchscreen**  
DICENTIS Wireless Device Extended with 4.3 inch touch screen, NFC identification reader. Pluggable microphone and battery pack to be ordered separately.  
Order number DCNM-WDE

**Accessories**

**DCN multimedia High Directive Microphone**  
DICENTIS High Directive Microphone for the DICENTIS Conference System or DICENTIS Wireless Conference System.  
Order number DCNM-HDMIC

**DICENTIS Short Stem Microphone**  
DICENTIS short stem microphone for the DICENTIS Conference System or DICENTIS Wireless Conference System.  
Order number DCNM-MICS

**DICENTIS Long Stem Microphone**  
DICENTIS long stem microphone for the DICENTIS Conference System or DICENTIS Wireless Conference System.  
Order number DCNM-MICL

**DICENTIS Battery Pack**  
Battery Pack for Wireless Device (DCNM-WD and DCNM-WDE), lithium-ion, 7.5 Vdc, 12800 mAh, color: Charcoal.  
Order number DCNM-WLION

**DICENTIS Charger for 5 Batteries**  
Charger for charging up to 5 Battery Packs (DCNM-WLION). Color traffic black: RAL 9017.  
Order number DCNM-WCH05

**DICENTIS Transport Case for 8 XD**  
Transport Case for storing and transporting 8 DICENTIS devices, 8 high directive microphones (DCNM-HDMIC), 8 short or long Stem Microphones (DCNM-MICS/L), and one Wireless Access Point (DCNM-WAP), if applicable.  
Order number DCNM-TCD

**Multimedia device**  
MIFARE Classic ID card with 1 kByte data storage, 2 application areas, one of which can be customized.  
Packing information: 50 cards/ each unit  
Order number ACD-MFC-ISO

ACD-EV1-ISO 50/each  
Mifare DESFire EV1 ID card with 8 kByte data storage, 2 application areas, one of which can be customized.  
Packing information: 50 cards/ each unit  
Order number ACD-EV1-ISO

**Software Options**

**DICENTIS Dual Use at Seat**  
DICENTIS software license for enabling dual-use at seat in the DICENTIS Discussion device, DICENTIS Discussion device with language selector, DICENTIS Discussion device with touchscreen, and DICENTIS wireless devices.  
Order number DCNM-LSDU

**DICENTIS Voting at Seat**  
DICENTIS software license for enabling voting at seat in the DICENTIS Multimedia, DICENTIS Discussion device with touchscreen, and DICENTIS wireless Extended. The DICENTIS Discussion device with voting has the functionality built-in.  
Order number DCNM-LSVT
DICENTIS Identification at Seat
DICENTIS software license for enabling identification at seat in the DICENTIS Discussion device with voting, DICENTIS Discussion device with language selector, DICENTIS Discussion device with touchscreen, DICENTIS Multimedia device, and DICENTIS wireless Extended.
Order number DCNM-LSID