

DCNM-WDE Wireless discussion with touchscreen DICENTIS



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

Functions

General

- The Wireless Devices connect to the DCM-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).
- 4.3 inch capacitive touch screen for displaying:
 - Custom logo.
 - Multiple user interface languages in original characters.
 - Speaker list.

- ▶ 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 Extended by use of web browser interface
- ▶ Functionality can be expanded with software modules without the need for hardware modification

- Request list.
- Built-in Near Field Communication (NFC) contactless tag reader.
- Additional functionality by use of software modules:
 - Identification functionality.
 - Voting.
 - Dual use.

Speech intelligibility

- Maximum speech intelligibility is guaranteed at all times.
- The Wireless Device Extended connects to the DCM-WAP.
- The Wireless Device Extended produces 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.

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 Device Extended 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 Device Extended accommodate two headphone connections and controls (on the left and right-hand side), so the speaker can be heard clearly even with 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.
 - 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.

Installation/configuration notes

This is a professional product that should be installed, used and maintained by trained professionals only.

Parts included

Quantity	Component
1	DCNM-WDE Wireless Device

Technical specifications

General

Display size (in)	4.30 in
Touchscreen	Capacitive Multitouch
Supported contactless NFC tag	According to: ISO/IEC14443 Type A (from 106 kbps to 848 kbps. MI-FARE 106kbps)

Electrical

Input voltage (VDC) (battery pack)	7.50 VDC
Power consumption (W)	4.50 W
Operating time (h)	> 20 h (20% speech, 80% listening)
Frequency response (-3 dB) (Hz)	100 Hz – 20,000 Hz
Total harmonic distortion + noise (%)	0.10%
Minimum dynamic range (dB)	90 dB
Minimum signal-to-noise ratio (dB)	90 dB
Headphone load impedance (ohm)	32 ohm - 1000 ohm
Maximum output power (mW)	15 mW

Radio

Wi-Fi standard	IEEE 802.11n
Frequency band	2.4 GHz and 5 GHz (ISM license free)

Audio inputs

Nominal acoustic input level (dB SPL)	80 dB SPL according IEC60914
Maximum acoustic input level (dB SPL)	110 dB SPL according IEC60914

Audio outputs

Nominal acoustic output level (dB SPL) (at 0.5 m)	72 dB SPL
Maximum acoustic output level (dB SPL)	80 dB SPL
Headphone nominal output (dBV)	0 dBV
Maximum output level (dBV)	3 dBV

Mechanical

Mounting type	Tabletop
Dimensions (H x W x D) (mm)	72 mm x 259 mm x 139 mm
Dimensions (H x W x D) (in)	2.80 in x 10.20 in x 5.50 in
Weight (g) (without battery pack)	670 g
Weight (lb) (without battery pack)	1.47 lb
Weight (g) (with battery pack)	1131 g
Weight (lb) (with battery pack)	2.49 lb
Color (RAL)	RAL 9017 Traffic black

Environmental

Operating temperature (°C)	5 °C – 45 °C
Operating temperature (°F)	41 °F – 113 °F
Storage temperature (°C)	-20 °C – 70 °C
Storage temperature (°F)	-4 °F – 158 °F
Operating relative humidity, non-condensing (%)	5% – 95%

Ordering information

DCNM-WDE Wireless discussion with touchscreen
 DICIENTIS 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 | F.01U.298.744**
F.01U.429.669 F.01U.431.820

Accessories

DCNM-HDMIC High directive microphone
 DICIENTIS High Directive Microphone for the DICIENTIS Conference System or DICIENTIS Wireless Conference System.
 Order number **DCNM-HDMIC | F.01U.269.132**
F.01U.374.038

DCNM-MICS Microphone with short stem

DICIENTIS short stem microphone for the DICIENTIS Conference System or DICIENTIS Wireless Conference System.

Order number **DCNM-MICS | F.01U.288.448**
F.01U.374.039

DCNM-MICL Microphone with long stem

DICIENTIS long stem microphone for the DICIENTIS Conference System or DICIENTIS Wireless Conference System.

Order number **DCNM-MICL | F.01U.288.447**

DCNM-WLIION Battery pack for DCNM-WD

Battery Pack for Wireless Device (DCNM-WD and DCNM-WDE), lithium-ion, 7.20 - 7.50 VDC, 12,800 mAh, in charcoal.

Order number **DCNM-WLIION | F.01U.298.790**
F.01U.410.599

DCNM-WCH05 Charger for 5x battery packs

Charger for charging up to 5 Battery Packs (DCNM-WLIION). Color traffic black: RAL 9017.

Order number **DCNM-WCH05 | F.01U.298.809**
F.01U.400.589 F.01U.429.667

DCNM-WTCD Transport case wireless sys, 10x DCNM-WD

Transport case for storing and transporting ten DICIENTIS wireless discussion devices, ten high-directive microphones, ten short or long stem microphones, WAP, PSU, and two chargers.

Order number **DCNM-WTCD | F.01U.336.014**

ACD-MFC-ISO Card, MIFAREclassic, 1kB, 50pcs

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 | F.01U.218.378**

ACD-EV1-ISO Card, MIFARE EV1, 8kB, 50pcs

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 | F.01U.218.412**

Software Options**DCNM-LSDU License for 2 seats per device**

DICIENTIS software license for enabling dual-use at seat in the DICIENTIS Discussion device, DICIENTIS Discussion device with language selector, DICIENTIS Discussion device with touchscreen, and DICIENTIS wireless devices.

Order number **DCNM-LSDU | F.01U.310.246**

DCNM-LSVT License for voting at 1 seat

DICIENTIS software license for enabling voting at seat in the DICIENTIS Multimedia, DICIENTIS Discussion device with touchscreen, and DICIENTIS wireless Extended. The DICIENTIS Discussion device with voting has the functionality built-in.

Order number **DCNM-LSVT | F.01U.300.532**

DCNM-LSID License for identification at 1 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 | F.01U.300.533**

Services

EWE-DCNWD-IW 12 mths wrty ext DICENTIS Wireless Dev

12 months warranty extension

Order number **EWE-DCNWD-IW**



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