DCNM-DE Discussion device with touchscreen

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BOSCH

Invented for life

▶ 4.3 inch capacitive touch screen and built-in NFC reader for fast recognition of participants

▶ Configurable as a single participant, dual-use, or chairperson's device

▶ Functionality can be conveniently expanded with software modules

DICENTIS incorporates several standardized technologies that have been combined to create an open platform. Complete system solutions can be created by simply integrating compatible products. This makes DICENTIS extremely scalable, enabling it to evolve with the growing needs of meeting and conference facilities. At its heart, the DICENTIS Conference System makes use of the unique IP based OMNEO media networking architecture, developed by Bosch.

The elegantly designed DICENTIS Discussion devices enable participants to speak, register a request to speak, and listen to discussion.

The DICENTIS Discussion with touchscreen has a 4.3 inch touch screen and is completely software upgradable. It has lots of features including independent dual-use for language selection and voting. A simple software setting enables two participants to share a device and listen to proceeding in two different languages. Separate votes can also be cast on a shared device.

The 4.3 inch capacitive touch screen informs participants of the proceedings and increases meeting efficiency by displaying the current speaker and delegates in the request list. Available translations and voting information can also be displayed.

Functions

General

- Single-use and chairperson can be configured via the PC configuration software application.
- 4.3 inch capacitive multi-touchscreen for displaying:
  - Multiple user interface languages in original characters.
  - Speaker list and Request list.
  - Customer logo.
- Built-in Near Field Communication (NFC) contactless tag reader.
- Additional functionality by use of software licenses only.
  - Identification functionality.
  - Voting.
  - Select language.
  - Dual use.
- Audio mute button.

• Supports star and loop-through connection.

Speech intelligibility
• Crystal-clear sound due to a very high signal-to-noise ratio.
• Maximum speech intelligibility is guaranteed.
• The loudspeaker and microphone can be active at the same time to facilitate a face-to-face meeting experience. A feedback suppressor is built in to prevent acoustic feedback.

Security
• Encryption ensures that information within the system remains confidential.

Microphones
• A socket is provided to connect the pluggable microphones DCNM-HDMIC, DCNM-MICS or DCNM-MICL (to be ordered separately).

Headphones and loudspeakers
The device has a headphone connection and independent volume control (on both sides of the device), so the speaker can be heard clearly even when there is excessive background noise.

Controls and Indicators
Top side of device:
• 4.3 inch capacitive display with touch screen.
• Microphone with a red or green indicator:
  – Red indicates that the microphone is active.
  – Green indicates that a request-to-speak is accepted.
• LED indicators on device showing:
  – Microphone on state – Red.
  – Possible-to-speak – White.
  – Priority – White (Chairperson only).
  – Request-to-speak – Green.
Left and right-hand side of the device:
• Rotary controls for independent headphone volume control.

Interconnections
• Socket for pluggable microphone.
• Two 3.5 mm (0.14 in) headphone sockets stereo jack type.
• 2x RJ45 compatible connection for system communication and power.
• Hot Plug-and-play.

Certifications and approvals

Region	Regulatory compliance/quality marks	
Europe	CE	DECL EC DCNM-DE

Parts included

Quantity	Component
1	DCNM-DE DICENTIS Discussion device with touchscreen

Technical specifications

Electrical

Supply voltage	48 VDC
Power consumption	5 W
Frequency response	100 Hz to 20 kHz (-3 dB at nominal level)
THD at nominal level	< 0.1 %
Dynamic range	> 90 dB
Signal-to-noise ratio	> 90 dB

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	87 dB SPL
Headphone nominal output	0 dBV
Headphone maximum output	3 dBV
Headphone load impedance	> 32 ohm <1k ohm
Headphone output power	65 mW

General

Screen size	109.22 mm (4.3 in)
Screen type	Capacitive multi-touch
Supported contactless NFC tag	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)
Color (top and base)	Traffic black (RAL 9017)
Weight	Approx. 1035 g (2.3 lb)

Environmental

Operating temperature	5 ºC to +45 ºC (41 ºF to +113 ºF)
Storage and transport temperature	-30 ºC to +70 ºC (-22 ºF to +158 ºF)
Relative humidity	< 90 %, > 5%

Ordering information

DCNM-DE Discussion device with touchscreen
DICENTIS Discussion device with 4.3 inch touch screen and NFC identification reader. Choice of pluggable microphone to be ordered separately.
Order number **DCNM-DE**

Accessories

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

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

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

DCNM-TCD Transport case for 10x DCNM-xD
Transport case for storing and transporting ten DICENTIS discussion devices, ten high-directive microphones, ten short or long stem microphones, and cables.
Order number **DCNM-TCD**

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**

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**

DCNM-CB02-I System cable assembly 2m
2 m (6.6 feet), system network cable for connecting all DICENTIS devices.
Order number **DCNM-CB02-I**

DCNM-CB05-I System cable assembly 5m
5 m (16.0 feet), system network cable for connecting all DICENTIS devices.
Order number **DCNM-CB05-I**

DCNM-CB10-I System cable assembly 10m
10 m (33.0 feet), system network cable for connecting all DICENTIS devices.
Order number **DCNM-CB10-I**

DCNM-CB25-I System cable assembly 25m
25 m (82.0 feet), system network cable for connecting all DICENTIS devices.
Order number **DCNM-CB25-I**

Software Options

DCNM-LSSL License for language selector at 1 seat
The DICENTIS Select Language at Seat license enables the language selection feature of the DICENTIS Multimedia and DICENTIS Discussion device with touchscreen. The DICENTIS Discussion device with language selector has the functionality built-in. Requires system license DCNM-LSYS.
Order number **DCNM-LSSL**

DCNM-LSVT License for voting at 1 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**

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**

DCNM-LSDU License for 2 seats per device
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**