DCNM-APS2 Audio processor and powering switch

DICENTIS

- Zero network configuration
- Fully compatible to the Ethernet (IEEE802.3) and OMNEO standard
- Supports loop-through connection with cable redundancy
- Acoustic feedback suppression, echo cancellation and equalizer
- Standby mode to be environment friendly

The Audio processor and powering switch is responsible for routing, controlling and processing the audio. The DCNM-APS2 also supplies power to the discussion and multimedia devices. The device includes an intelligent adaptive acoustic feedback suppressor, echo cancellation and two 5-band parametric equalizers for optimal speech intelligibility. It has two audio inputs for inserting external analogue audio signals into the system and mix-minus is provided for connecting the DICENTIS Conference System to video conferencing equipment. The DCNM-APS2 also has two audio outputs used for mix-minus and to connect an external sound reinforcement system.

The built-in Ethernet switch connects all devices in the system together in a network and supports loop-through connection. This makes it possible to connect a DICENTIS discussion device to another DICENTIS discussion device. Even the last DICENTIS discussion device in the loop can be connected to a DCNM-APS2 to create cable redundancy. The DCNM-APS2 has no user controls and can be fully controlled remotely.

Functions

- LED on the front shows: power on (green), standby (amber), and no connection to the system (blinking)
- LED on the rear shows: power availability on each powered socket (green), and overload per powered socket (red)
- Ethernet LED’s yellow and amber for each socket
- Independent powered sockets: a short circuit on one socket does no influence the other sockets
- Supports hot plug and play

Interconnections

- 2 three-pole XLR balanced audio line inputs with galvanic separation
- 4 RCA unbalanced audio line inputs
- 2 three-pole XLR balanced audio line outputs with galvanic separation
- 4 RCA unbalanced audio line outputs
- Mains power supply auto ranging input
- 1 socket with Ethernet without power, compatible with RJ45
- 3 sockets with Ethernet with high power supply (144 W), compatible with RJ45
- 1 socket with Ethernet with low power supply (15 W), compatible with RJ45

Regulatory information

<table>
<thead>
<tr>
<th>Region</th>
<th>Regulatory compliance/quality marks</th>
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<tbody>
<tr>
<td>Global</td>
<td>DOC DECL COC ISO22259 DICENTIS</td>
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<tr>
<td>Great Britain</td>
<td>UKCA DECL UK DCNM-APS2</td>
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### Communications Systems - DCNM-APS2 Audio processor and powering switch

#### Regulatory compliance/quality marks

<table>
<thead>
<tr>
<th>Region</th>
<th>Mark</th>
<th>Code</th>
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<td>CE</td>
<td>DCNM-APS2 F.01U.400.630</td>
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<td></td>
<td>CE</td>
<td>DECL EC DCNM-APS2 F.01U.308.936</td>
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#### Parts included

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Component</th>
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<tbody>
<tr>
<td>1</td>
<td>DCNM-APS2 Audio processor and powering switch</td>
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</table>

#### Technical specifications

##### Electrical

- **Supply voltage**: 100-240 Vac 50-60 Hz
- **Power consumption**: 530 W
- **System supply**: 48 Vdc
- **Total power supply**: 3x 144 W + 15 W
- **Frequency response**: 30 Hz - 20 kHz
- **THD at nominal level**: < 0.1 %
- **Dynamic range**: > 95 dB
- **Signal-to-noise ratio**: > 95 dB

##### Audio inputs

- **XLR nominal input**: -18 dBV (+6 dB / -18 dB)
- **XLR maximum input**: +18 dBV
- **Cinch nominal input**: -30 dBV (+6 dB / -18 dB)
- **Cinch maximum input**: +6 dBV

##### Audio outputs

- **XLR nominal output**: -18 dBV (+8 / -24 dB)
- **XLR maximum output**: +20 dBV
- **Cinch nominal output**: -30 dBV (+8 / -24 dB)
- **Cinch maximum output**: +8 dBV

##### Mechanical

- **Mounting type**: Rack-mounted; Tabletop
- **Dimension (H x W x D) (mm) for tabletop use with feet**: 92 mm x 440 mm x 400 mm

#### Dimension (H x W x D) (in) for tabletop use with feet

2.40 in x 17.30 in x 16.70 in

#### Dimensions (H x W D) (mm) for 19” rack use, with brackets

193 mm x 483 mm x 400 mm

#### Dimension (H x W D) (in) for 19” rack use, with brackets

7.60 in x 19 in x 15.70 in

#### In front of brackets (mm)

40 mm

#### In front of brackets (in)

1.6 in

#### Behind brackets (mm)

360 mm

#### Behind brackets (in)

14.2 in

#### Weight (kg)

7.62 kg

#### Weight (lb)

16.79 lb

#### Color in RAL

RAL 9017 Traffic black

#### Environmental

- **Operating temperature (°C)**: 0°C – 45°C
- **Operating temperature (°F)**: 32°F – 113°F
- **Storage temperature (°C)**: -20°C – 70°C
- **Storage temperature (°F)**: -4°F – 158°F
- **Transportation temperature (°C)**: -20°C – 70°C
- **Transportation temperature (°F)**: -4°F – 158°F
- **Operating relative humidity, non-condensing (%)**: 5% – 96%

#### Ordering information

**DCNM-APS2 Audio processor and powering switch**

Switch for controlling and routing system audio. Supplies power to discussion devices. One DCNM-APS2 is needed per DICENTIS. DCNM-LSYS is required.

Order number **DCNM-APS2 | F.01U.400.630 F.01U.308.936**

**Services**

- **EWE-DCNAPS-IW 12 mths wrty ext DICENTIS Audio P Switch**
  12 months warranty extension
  Order number **EWE-DCNAPS-IW | F.01U.348.757**