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

Controls and indicators
- Mains switch on the rear to power on the Audio processor and powering switch
- Ground-lift switch

- 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

Region	Regulatory compliance/quality marks	
Global	DOC	DECL COC ISO22259 DICENTIS
Great Britain	UKCA	DECL UK DCNM-APS2

Region	Regulatory compliance/quality marks	
Europe	CE	DCNM-APS2 F.01U.400.630
	CE	DECL EC DCNM-APS2 F.01U.308.936

Parts included

Quantity	Component
1	DCNM-APS2 Audio processor and powering switch

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	3.60 in x 17.30 in x 16.70 in
Dimensions (H x W D) (mm) for 19" rack use, with brackets	880 mm x 483 mm x 400 mm
Dimensions (H x W D) (in) for 19" rack use, with brackets	3.5 in x 19 in x 15.7 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 (℃)	0 ℃ – 45 ℃
Operating temperature (℉)	32 ℉ – 113 ℉
Storage temperature (℃)	-20 ℃ – 70 ℃
Storage temperature (℉)	-4 ℉ – 158 ℉
Transportation temperature (℃)	-20 ℃ – 70 ℃
Transportation temperature (℉)	-4 ℉ – 158 ℉
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**