ADN and ADN-W: wired and
wireless digital conference solution

Digital Salesfolder Version 1.1

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ADN / ADN-W

The Audio Distribution Network –
so intelligent, it's worth talking about.

Structure, substance and clarity are the fundamentals of successful communication; they're also the key characteristics of Sennheiser's ADN / ADN-W digital conference solution. This system lets you create the ideal audio environment for any type of conference – in top audio quality, with a structured system design approach and with absolutely reliable manufacturing quality.

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6 Simple Reasons for ADN / ADN-W.

OPTIMUM SPEECH INTELLIGIBILITY

Everyone can understand everything and everybody.

SIMPLE AND RELIABLE

Reduce implementation cost, minimize your setup time.

FUTURE PROOF

Reduce maintenance with free software updates.

REDUCED SYSTEM COST

Minimize the TCO and increase your efficiency.

UNOBTRUSIVE DESIGN

ADN fits into contemporary architectural environments.

NEW

WIRELESS INTEGRATION

The new wireless units allows for a quick and flexible setup.

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CLEAR SOUND

Sennheiser: sound expertise for successful conferences.
You'll be surprised, what a difference clear speech makes.

Your benefits:

- Advanced directional microphones for a relaxed speaking position

- Twin loudspeakers with balanced sound for comfortable listening

- Acoustic feedback and background noise are effectively suppressed

- XLR Mix Minus mode prevents irritating echo effects
  in conferences with remote participants

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The ADN conference terminal –
A statement in itself.

Chairman Unit ADN C1 and Delegate Unit ADN D1

- High-quality Sennheiser microphone

- Stylish modern design with concealed cable connections

- Headphone connection with volume control on all microphone units

- Intuitive operation

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NEW

ADN-W: Audio Distribution Network – Wireless.
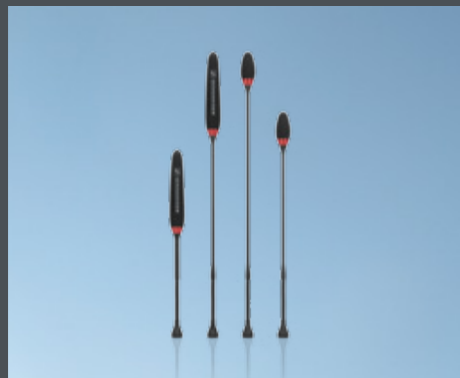### Reliable, Secure, Intelligent and Flexible.

Your benefits:

■ Reliability: Automatic dynamic frequency management in 2.4 and in 5 GHz

■ Pattern diversity antennas in each conference unit to avoid any kind of disturbance

■ Security: 128-bit AES encryption prevents unwanted eavesdropping

■ Intelligibility: Great acoustics through KE10 and ME36 Sennheiser capsules

■ Connectivity: State-of-the-art interfaces for remote media and PC control

■ Flexibility: ONE system approach for ADN and ADN-W

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The ADN-W conference terminal – Wireless flexibility.

NEW

Chairman unit ADN-W C1 and Delegate unit ADN-W D1

- High quality Sennheiser microphones

- Stylish modern design with integrated battery pack

- Detachable goose-neck microphone variants

- RF and battery status LEDs

- Headphone socket for individual volume control

Different Gooseneck variants available

Replaceable Battery Pack

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ADN-W AM Antenna module –
Seamless Integration in the ADN Network.

NEW

ADN-W AM

- Robust metal housing

- Unobtrusive design and colour for smooth room integration

- Several mounting options: Ceiling, Wall, Tripod, Table

- 30m / 100ft coverage radius

- Diversity antennas

- Powered via ADN bus or DC power adapter

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ADN-W L 10 charger –
Power for your wireless terminals.

NEW

ADN-W L 10 rack-mount charger

■ 10 x charging slots for ADN-W BA

■ 19" rack-mountable

■ Monitoring LEDs for charging status and capacity check

■ Mains cable included in country variant (EU/UK/US)

EASE OF USE

It's communication. Not rocket science.
The easy route to perfect connectivity.

Your benefits:

- Plug and play system with automatic unit initialisation

- Hot plug capability for wired and wireless units

- Control and monitoring onboard or via remote software

- Automatic system test ensures correct conference setup

- Multi-language user interfaces

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ADN / ADN-W Central Unit –
Unmatched ease of use and flexibility.

ADN / ADN-W CU1

■ Intelligent audio processing
   to optimise intelligibility

■ Pre-installed control software

■ Open media control protocol
   over Ethernet

■ Conference recording via USB

■ Powers up to 40 and controls
   up to 400 conference units

■ Supports ADN and AND-W Terminals
   (via ADN-W AM Antenna Module)

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ADN Power Supply –
All the power you need.

ADN PS

- Increase system size to up to 400 units

- Each ADN PS supports 40 – 70 conference units

- Allows redundant ring cabling for increased failure-safety
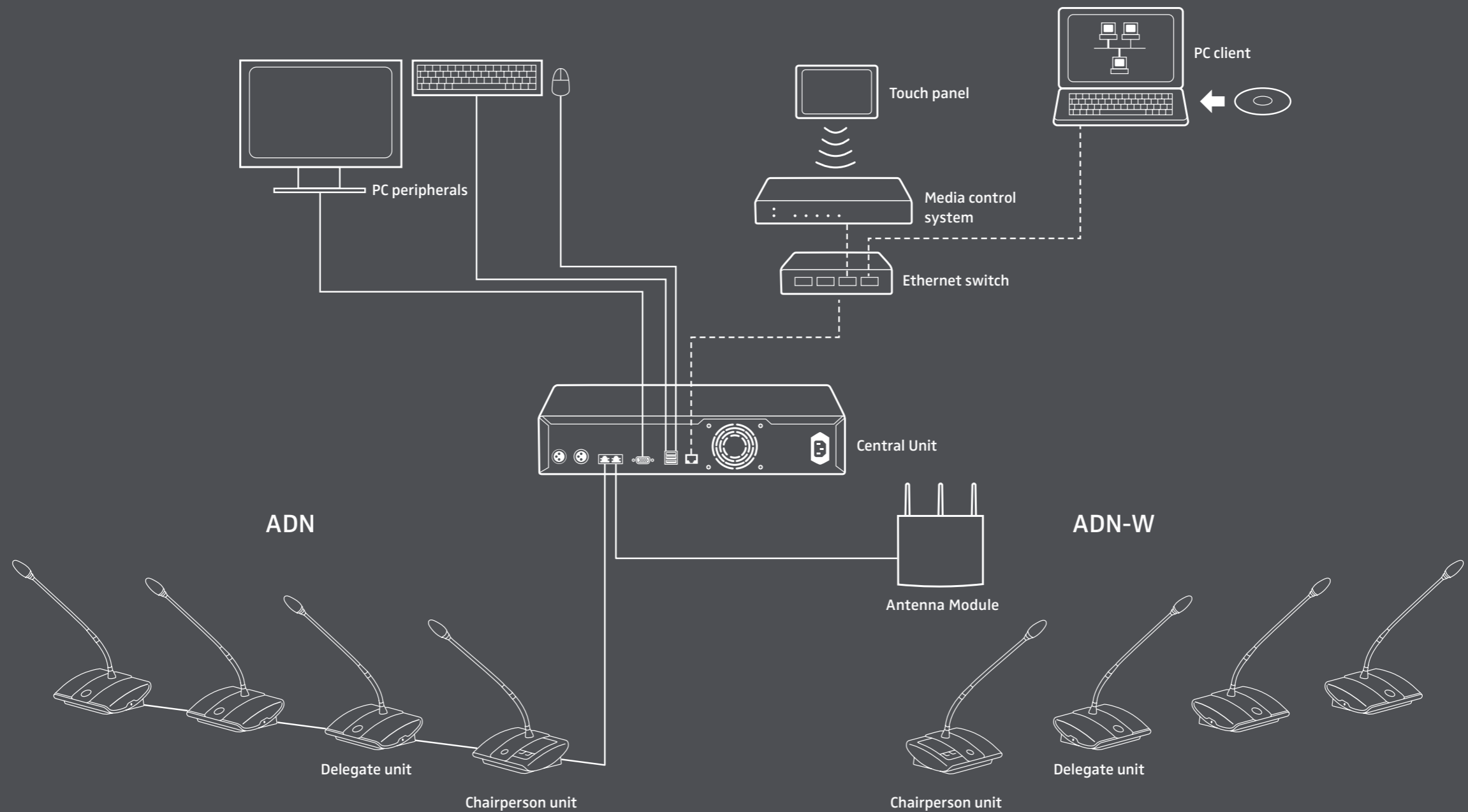
- Status LEDs indicate cabling type

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SIMPLE
INTEGRATION

Quick to install – Quick to benefit.
Successful communication is now easier than ever.

Your benefits:

- Less implementation costs and minimized setup time means you can handle projects more efficiently – at lesser total costs

- ADN-W can be easily implemented in existing ADN Installations

- Pre-installed software including free software updates

- Download the Cable Calculator for free – a separate app for exact system installation planning

- Central Unit: pre-configured key functions – can be operated with your preferred media control system

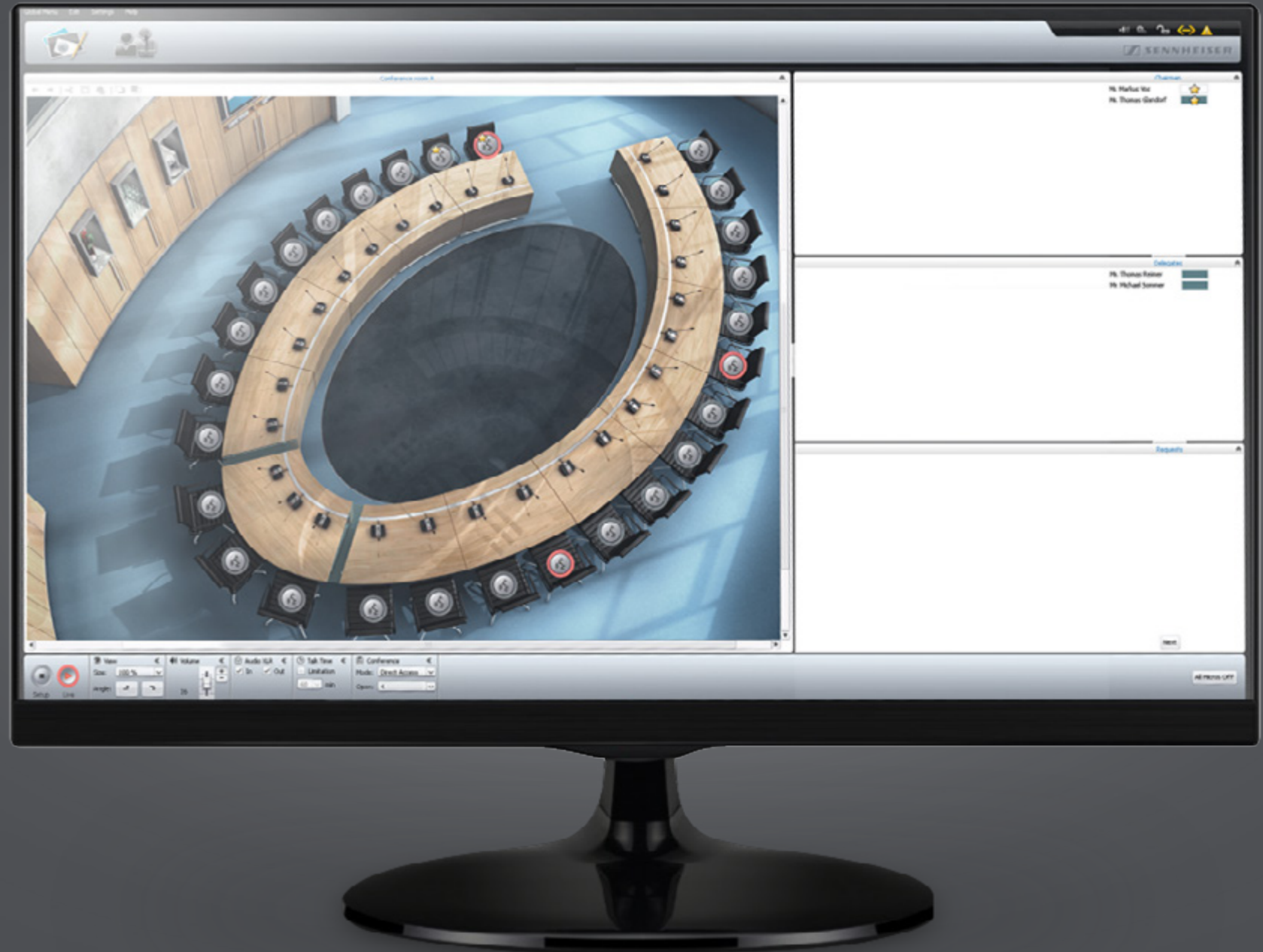- Easily extendable to up to 400 discussion units with external ADN power supply unit

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The Application matrix – Unlimited possibilities.

PC client

Touch panel

PC peripherals

Media control system

Ethernet switch

Central Unit

ADN

ADN-W

Antenna Module

Delegate unit

Chairperson unit

Chairperson unit

Delegate unit

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The Conference Manager software –
If only communication was always so easy.

Organize each and every detail of your conference with the conference manager included in the ADN / ADN-W digital conference solution. Simply connect monitor, keyboard and mouse, and the system can be controlled intuitively on the Central Unit itself. Alternatively an external PC or a media control system can be used. The conference manager software itself is very easy to operate thanks to an uncluttered user interface. Produce custom seating plans (with a picture of the conference room in the background), adjust volume levels and start the conference mode. Master every aspect, control every detail – precisely and easily.

- ■ Intuitive workflow

- ■ Ethernet network compatible

- ■ Direct access to all parameters

- ■ Multi-language user interface

- ■ Batterie status and wireless link quality monitoring for all ADN-W terminals

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ADN-W CASE –
Flexible and well stored.
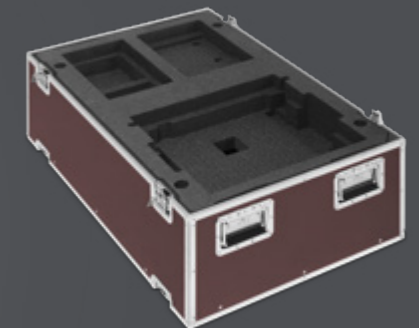
NEW

ADN-W CASE modules:

■ Heavy-duty case for reliable
   storage and transport

■ Integrated charging compartments
   for complete units

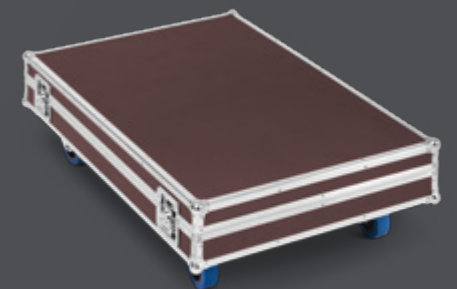■ Modular case concept for
   flexible use

CASE UNIT

INCL.
CHARGING
FUNCTION
FOR TERMINALS

CASE CENTRAL

CASE BASE

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Product overview

ADN D1 and ADN C1

Dimensions (excl. microphone)	185 × 63 × 140 mm 7.28" x 2.48" x 5.51" (W × H × D)
Weight	approx. 700 g / 1.5 lbs
Supply voltage	35 V to 52.8 V ===
Power consumption	max. 3.5 W
Operating temperature range	+10 °C to +40 °C
Headphone connection	3.5 mm stereo-jack socket (> 32 Ω < 1 kΩ)
Distortion (at 1 kHz)	0.03 % at 50 mW / 16 Ω
Loudspeaker frequency response	150 to 14,500 Hz
Signal-to-noise ratio	> 70 dB (A)
Directional characteristic of microphone	Super-cardioid
Microphone frequency response	50 to 20,000 Hz

ADN-W D1 and ADN-W C1 (NEW)

Differing tech specs in camparison to ADN D1 / ADN C1

Dimensions (excl. microphone)	approx. 185 x 67 x 180 mm / 7.28" x 2.48" x 7.09" (W × H × D)
Weight	approx. 940 g / 2,07 lbs (incl. battery pack)

ADN-W BA (NEW)

Dimensions	approx. 143 x 27 x 124 mm / 5.63" x 1.06" x 4.88" (W × H × D)
Weight	404 g / 0.89 lbs
Capacity	7800 mAh
Charging voltage	12 V
Charging current	2.5 A

ADN-W MIC 15 / 36 (NEW)

Mic character	Super cardioid (15-xx), Hyper cardioid (36-xx)
Mic frequency	190 Hz to 14,5 kHz (15-xx), 40 Hz to 20 kHz (36-xx)
Max. SPL (1 kHz)	120 dB

Length:	
ADN-W MIC 15-39	approx. 390 mm / 15.35"
ADN-W MIC 15-50	approx 500 mm / 19.69"
ADN-W MIC 15-50	approx. 290 mm / 11.42"
ADN-W MIC 36-50	approx 500 mm / 19.69"

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Product overview

ADN CU1

Dimensions	417 × 100 × 345 mm
	16.4" x 3.94" x 13.58"
	(W × H × D)
Weight	approx. 6.5 kg / 14.3 lbs
Input voltage	100 to 240 V ~ / 50 – 60 Hz
Power consumption	245 W
Output voltage on RJ-45 EtherCAT	52.8 V ⎓
Nominal output current	max. 1.75 A
Operating temperature range	+5 °C to +50 °C
Impedance level	max. +18 dBu / min. -18 dBu

ADN-W AM (NEW)

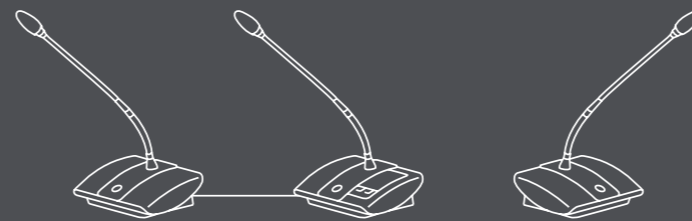|	
RF Frequencies	2,4 GHz; 5,1 - 5,9 GHz
RF transmitting power	up to 100mW
Dimensions	approx. 226 x 181 x 58 mm
	8.9" x 7.13" x 2.28"
	(W × H × D)
Weight	1660 g / 3.66 lbs
Input voltage	12 - 15V
alternatively ADN Bus	(52,8V)
Power consumption	6W

ADN PS

Dimensions (without rack-mount brackets and rubber feet)	417 x 100 x 168 mm
	16.4" x 3.94" x 6.61"
	(W × H × D)
Weight	approx. 4.6 kg / 10.14 lbs
Input voltage	100 to 240 V ~ / 50 – 60 Hz
Power consumption	max. 385 W
Output voltage on PORT I / II Output 1 / 2	52.8 V ⎓
Output current on PORT I / II Output 1 / 2	max. 1.75 A per port
	max. 5.25 A total
Operating temperature	+5 °C to +50 °C
Storage temperature	-25 °C to +70 °C

ADN-W L 10 (NEW)

Input voltage	100 - 240 V~
Power consumption	max. 250 W
Charging voltage	12 V
Charging current	max. 10 x 1,6 A
Charging time	up to 4h
Dimensions	483 x 138 x 310 mm
	19.02" x 5.43" x 12.2"
	(W × H × D)
	19"-Rack size (7 HU)
Weight	approx. 6,8 kg / 15 lbs
	(without battery packs)

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