



televic

conference

Confidea[®] G3

Confidea[®] Evolution



G1
2008

Market introduction
First Quad band
wireless conference system
First with full
wired – wireless capability



G2
2013

Major Confidea Upgrade
Improved robustness
Introduction of ATM
Voice activation



G3
2014

Latest RF technology
Spectrum analysis: &
Visualisation & Control
RFID authentication
Touch & Mobile
friendly web control

Confidea WCAP G3

Generation III

Wireless Conference Access Point

Art. 71.98.0033



Description

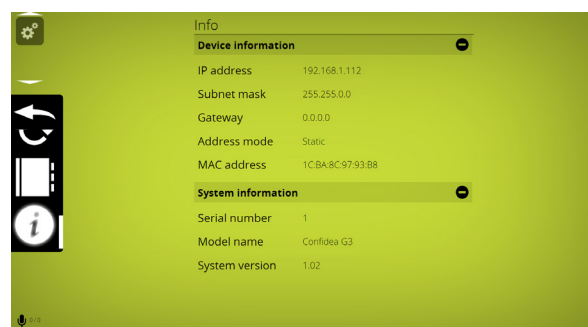
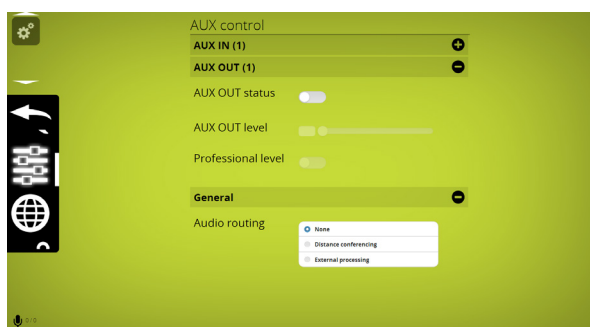
Confidea® G3 is the 3rd generation of Televic's renowned wireless conference system. This Quad Band system operates in the 2.4 GHz and 5 GHz area of the RF spectrum and offers a large amount of possible operating frequencies in four different bands.

The 3rd generation Confidea WCAP+ is a real power horse that can act as a full central unit in a stand-alone configuration. This presents significant cost savings as for a wireless-only set-up no extra central unit is required. It also means that such a set-up is extremely easy to deploy and even the not so technically savvy can have a system out of the box and fully up and running in minutes.

The new, more powerful built-in webserver offers all necessary functionality for basic set-up and control through a regular browser. In this way, no additional software is required for basic discussion applications representing yet another cost saving.

The web interface adapts to the device that is used so the system can just as well be controlled from a desktop, a tablet or a smartphone.

Through the browser, microphone status is displayed and delegate microphones can be switched on and off through a simple mouse click. Easy for when someone left his or her microphone open accidentally.



The new web interface also allows creating microphone groups and adding name labels without any additional software: an absolutely unique feature.

The updating of the system with newer software has been made simpler and can be carried out through the same web interface.



The audio in- and outputs make it easy to connect the Confidea system to external systems.

The 'external processing' setting allows the integration of mixing or audio processing equipment.

The audio connections also allow an easy integration in a video conferencing setup. In this case, the mix-minus or N-1 setting prevents echo caused by audio feedback from the far end. But also a less complex addition to the system such as a handheld wired or wireless microphone is a piece of cake using the input jack.

In more advanced and complex installations, the Confidea system can be controlled via the fully compatible CoCon Control software. This opens up all functionalities that this software suite has to offer: delegate management, agenda management, synoptic view, room display and complex voting management.

Accessories

- Confidea APPS 71.98.0041
Access point power supply

Connectivity

- Power connector
- RJ45 LAN connection
- RJ45 in from central control unit (future functionality)
- RJ45 out to next access point (future functionality)
- 6.3 mm jack balanced analog in
- 6.3 mm jack balanced analog out
- Two overload activity LEDs
- 3 R-SMA antenna connectors

Specifications

Electrical	
Supply voltage	24 DC (+/- 10%)
Ethernet port	LAN, TCP/IP
Modulation	OFDM
Transmitting power	< 20 dBm
System	
Sample rate	max. 32 kSps
Sample width	max. 24 bits
Number of audio channels	max. 64
Frequency response	20 - 16000 Hz
Setting 1: Professional input levels	
Nominal input level	+ 4 dBu
Max. input level	+ 24 dBu
Frequency response	20 - 16000 Hz
Total Harmonic Distortion	0.1% (@ nominal level, 1 KHz)
Dynamic Range	Min. 90 dB
Input impedance	10 kOhm
Setting 2: Consumer input levels	
Nominal input level	-10 dBV
Max. input level	+ 10 dBV
Frequency response	20 - 16000 Hz
Total Harmonic Distortion	0.1% (@ nominal level, 1 KHz)
Dynamic Range	Min. 90 dB
Input impedance	10 kOhm

Setting 1: Professional output levels	
Nominal output level	+ 4 dBu ($Z_{load} = 600\Omega$)
Max. output level	+ 24 dBu ($Z_{load} = 600\Omega$)
Frequency response	20 - 16000 Hz
Total Harmonic Distortion	0.1% (@ nominal level, 1 KHz)
Dynamic Range	Min. 90 dB
Load impedance	Min. 600 Ohm
Setting 2: Consumer output levels	
Nominal output level	-10 dBV ($Z_{load} = 10\text{ k}\Omega$)
Max. output level	+10 dBV ($Z_{load} = 10\text{ k}\Omega$)
Frequency response	20 - 16000 Hz
Total Harmonic Distortion	0.1% (@ nominal level, 1 KHz)
Dynamic Range	Min. 90 dB
Load impedance	Min. 600 Ohm
Environment	
Fan noise	no fan
Operation temperature	5-50°C

Preliminary

Confidea DD/CD G3 Generation III

WIRELESS DISCUSSION UNIT

Art. 71.98.0005 / 71.98.0015



Confidea DD G3

Description

The 3rd generation of Confidea® has a new wireless engine that integrates the latest technological evolutions in wireless communication. It offers an even more robust transmission link and more available frequencies in various countries. This new engine is also less power-hungry. That's why Confidea G3 has a longer operating autonomy and needs recharging even less frequently.

The Confidea DD G3 offers each delegate a microphone and a microphone button. This button activates the microphone instantly, or – in 'Request' mode - after being granted the right to speak by the chairman. The microphone (sold separately) is attached to the unit with a screw-lock connector and is immune to mobile phone interference.

New in this generation is the simplified button layout with a reduced number of physical buttons. This offers the delegates a less cluttered, more intuitive user interface so that they can focus on what's important and that they are not distracted by the technology in front of them.



Confidea CD G3

The chairman has direct control over who's up next through the next-in-line button. Finally, he can override all other microphones and take the floor through the priority button.

The Confidea family of products uses Li-ion (Lithium-ion) batteries, the best type of battery technology for frequently used and recharged electronic equipment. Found in smartphones and tablets, this mature battery technology offers quick recharging without the need for a full discharge and slower aging with hardly any memory effect. Combined with the smart power management built into Confidea your batteries will offer maximum autonomy for a very long time.

To prevent eavesdropping and unauthorized access, the Confidea system has built-in AES encryption. This ensures the confidentiality of your meeting and protects the privacy of your delegates.

Connectivity

- Two 3.5 mm jack plugs for headphones
- Battery pack connection
- Screw lock socket to connect removable microphone

Status Control

- Red battery status LED
4 h remaining : 1 Hz blinking
2h remaining : 2 Hz blinking
1h remaining : 4 Hz blinking
- Blue out of range status LED
Off : connection established
Blinking : searching connection
On : out of range, shutdown after 2 min.

Controls and Features

- Built-in high quality loudspeaker which is automatically muted when the microphone is active, to prevent acoustic feedback.
- Microphone On/Off or request-to-speak button with two signaling LEDs
- Two headphone outputs
- One headphone volume adjustment
- The chairman version (CD) comes with a priority and next-in-line button

Accessories

- Removeable microphone
D- MIC30SL 71.98.0053
- Removeable microphone
D - MIC40SL 71.98.0054
- Removeable microphone
D- MIC50SL 71.98.0055
- Battery pack
Confidea BP 71.98.0042
- Charging tray
Confidea CHT 71.98.0043
- Transport case
Confidea CHC 71.98.0044
- Headphones
TEL151 71.04.0151

Specifications

Electrical	
Supply voltage	Battery pack
Audio quality	16 bit digital @ 32 kHz
Power consumption	max 3.5W
RF power output	< 20 dBm
Audio delay	23 ms
Microphone (D-MIC 30,40, 50SL)	
Audio Delay	20 ms
Directivity	unidirectional
Sensitivity	-43.4 dBV/Pa
Frequency response	130 Hz - 15kHz
Impedance	680 Ω
Microphone pick-up pattern	cardioid
Speaker	
Frequency response	150 - 20 000 Hz
Headphone Output	
Max. output power	80 mW/ 32 Ω
Signal to noise ratio	77.5 dBr (A)
Frequency response	100 - 14 000 Hz
Headphone load impedance	> 16 Ω
THD+N	0.06 % @ 1kHz in 32 Ω load
Environment	
operation temperature	+5 ... 50 °C
Mechanical	
Dimensions	230(w), 130(h), 60(d)
Weight (g)	480
Color	RAL9011
Part number	Confidea DD G3 71.98.0005 Confide CD G3 71.98.0015

Preliminary

Confidea CV G3 Generation III

WIRELESS CHAIRMAN VOTING UNIT

Art. 71.98.0016



Confidea CV G3



The voting process can be controlled from the CoCon Conference Control Software or directly from the Confidea CV G3 chairman unit.



Description

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The Confidea DV G3 offers each delegate a microphone and a microphone button. This button activates the microphone instantly, or – in 'Request' mode - after being granted the right to speak by the chairman. The microphone (sold separately) is attached to the unit with a screw-lock connector and is immune to mobile phone interference.

The voting functionality on this model expands the possibilities of this Confidea model that can be used for electronic voting or opinion polling. Each unit is equipped with three voting buttons corresponding to three voting options. A built-in OLED display shows the voting results either instantly during the voting process, or only the final results after closing of the vote.

New in this generation is the added RFID card reader. Delegates can authenticate themselves by inserting an RFID card in the back of the unit. This authentication allows for automatic identification of the speaker or assigning voting rights to a certain individual.

The Confidea family of products uses Li-ion (Lithium-ion) batteries, the best type of battery technology for frequently used and recharged electronic equipment. Found in smartphones and tablets, this mature battery technology offers quick recharging without the need for a full discharge and slower aging with hardly any memory effect. Combined with the smart power management built into Confidea your batteries will offer maximum autonomy for a very long time.

To prevent eavesdropping and unauthorized access, the Confidea system has built-in AES encryption. This ensures the confidentiality of your meeting and protects the privacy of your delegates.

Status Control

- Red battery status LED
4 h remaining : 1 Hz blinking
2h remaining : 2 Hz blinking
1h remaining : 4 Hz blinking
- Blue link status LED
Off : connection established
Blinking : low link quality
- Blue link status LED + Microphone LED
Blinking : out of range, shutdown after 2 min.

Connectivity

- Two 3.5 mm jack plugs for headphones
- Battery pack connection
- Screw lock socket to connect removable microphone

Controls and Features

- Three voting buttons
- OLED voting result display
- Built-in high quality loudspeaker which is automatically muted when the microphone is active, to prevent acoustic feedback.
- Microphone On/Off or request-to-speak button with two signalling LEDs
- Two headphone outputs
- One headphone volume adjustment
- Priority and Next in line button
- Volume Control

Accessories

- Removeable microphone
D - MIC30SL 71.98.0053
- Removeable microphone
D - MIC40SL 71.98.0054
- Removeable microphone
D - MIC50SL 71.98.0055
- Battery pack
Confidea BP 71.98.0042
- Charging tray
Confidea CHT 71.98.0043
- Transport case
Confidea CHC 71.98.0044
- Headphones
TEL151 71.04.0151
- CoCon
CoCon Discussion 71.98.1101
- CoCon
CoCon Voting 71.98.1104
- CoCon
CoCon Signage 71.98.1102
- RFID
Badge 71.43.2001
- RFID
Reader/ writer 71.43.2002



Specifications

Electrical	
Supply voltage	Battery pack
Audio quality	16 bit digital @ 32 kHz
Power consumption	max 3.5W
RF power output	< 20 dBm
Audio Delay	23 ms
Microphone (D-MIC 30,40, 50SL)	
Directivity	unidirectional
Sensitivity	-43.4 dBV/Pa
Frequency response	130 Hz - 15kHz
Impedance	680 Ω
Microphone pick-up pattern	cardioid
Speaker	
Frequency response	150 - 20 000 Hz
Display	
Display Type	OLED 128 x 64 pixels
Character height	5mm
Headphone Output	
Max. output power	80 mW/ 32 Ω

Signal to noise ratio	77.5 dBr (A)
Frequency response	100 - 14 000 Hz
Headphone load impedance	> 16 Ω
THD+N	0.06 % @ 1kHz in 32 Ω load
Environment	
operation temperature	+5 ... 50 °C
Mechanical	
Dimensions	230(w), 130(h), 60(d)
weight (g)	480
Color	RAL9011
Part number	Confidea CV G3 71.98.0016

Confidea DV G3 Generation III

WIRELESS DELEGATE VOTING UNIT

Art. 71.98.0006

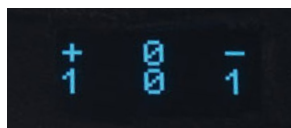


Confidea DV G3

Description

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The voting functionality on this model expands the possibilities of this Confidea model that can be used for electronic voting or opinion polling. Each unit is equipped with three voting buttons corresponding to three voting options.

A built-in OLED display shows the voting results either instantly during the voting process, or only the final results after closing of the vote.

New in this generation is the added RFID card reader. Delegates can authenticate themselves by inserting an RFID card in the back of the unit. This authentication allows for automatic identification of the speaker or assigning voting rights to a certain individual.

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Status Control

- Red battery status LED
4 h remaining : 1 Hz blinking
2h remaining : 2 Hz blinking
1h remaining : 4 Hz blinking
- Blue link status LED
Off : connection established
Blinking : low link quality
- Blue link status LED + Microphone LED
Blinking : out of range, shutdown after 2 min.

Controls and Features

- Three voting buttons
- OLED voting result display
- Built-in high quality loudspeaker which is automatically muted when the microphone is active, to prevent acoustic feedback.
- Microphone On/Off or request-to-speak button with two signaling LEDs
- Two headphone outputs
- One headphone volume adjustment
- RFID badge reader

Accessories

- Removeable microphone
D - MIC30SL 71.98.0053
- Removeable microphone
D - MIC40SL 71.98.0054
- Removeable microphone
D - MIC50SL 71.98.0055
- Battery pack
Confidea BP 71.98.0042
- Charging tray
Confidea CHT 71.98.0043
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- CoCon
CoCon Signage 71.98.1102
- RFID
Badge 71.43.2001
- RFID
Reader/ writer 71.43.2002

Connectivity

- Two 3.5 mm jack plugs for headphones
- Battery pack connection
- Screw lock socket to connect removable microphone

Specifications

Electrical	
Supply voltage	Battery pack
Audio quality	16 bit digital @ 32 kHz
Power consumption	max 3.5W
RF power output	< 20 dBm
Audio delay	23 ms
Microphone (D-MIC 30,40, 50SL)	
Directivity	unidirectional
Sensitivity	-43.4 dBV/Pa
Frequency response	130 Hz - 15kHz
Impedance	680 Ω
Microphone pick-up pattern	cardioid
Speaker	
Frequency response	150 - 20 000 Hz
Display	
Display Type	OLED 128 x 64 pixels
Character height	5mm
Headphone Output	
Max. output power	80 mW/ 32 Ω
Signal to noise ratio	77.5 dBr (A)
Frequency response	100 - 14 000 Hz
Headphone load impedance	> 16 Ω
THD+N	0.06 % @ 1kHz in 32 Ω load
Environment	
operation temperature	+5 ... 50 °C
Mechanical	
Dimensions	230(w), 130(h), 60(d)
Weight (g)	480
Color	RAL9011
Part number	Confidea DV G3 71.98.0006

Preliminary

D-MIC40SL

REMOVABLE MICROPHONE

Art. 71.98.0054

NEW light ring

- Dark "OFF"
- RED "ON"
- Green
"On Request"



Also available with 30 cm and 50 cm length

D-MIC30SL Art. 71.98.0053

D-MIC50SL Art. 71.98.0055

Description

The removable gooseneck microphone is equipped with a screwlock connector for easy connection to the different Confidea units.

Its uni-directional response results in optimal performance even in noisy conditions.

Another important characteristic is the very low susceptibility to interference from mobile phones.

Specifications

Technical Data	
Transducer type	Back electret (condenser)
Operating principle	Pressure gradient
Polar pattern	uni-directional, cardioïd
Nominal conditions	Bias resistor = 1k2 Vdd = 3.3V DC, SPL = 1Pa
Max. SPL @ 1 kHz	110 dB SPL (1% THD+N)
Signal to noise ratio	> 67 dB(A)
Free field sensitivity	9.4 mV/Pa, +/- 3dB @ 1 kHz or (-40.5 dB, 0 dB = 1V/Pa @ 1 KHz)
Power supply	3.3 V DC, 0.5mA
Consumption	0.5mA (Without LED ring) Max. 25mA (with illuminated ring)
Connection	screwlock
Length	400 mm
Weight	±98g
Finish	Matt black, scratch resistant
Part Number	71.98.0054

NOTE: Green LED is only available on Confidea Gen III and uniCOS products, if used on other Televic equipement only red indication is available

BATTERY PACK

Art. 71.98.0042



Description

The high capacity Lithium-ion rechargeable battery pack provides power to the wireless Confidea units.

Lithium-ion rechargeable cells have a long lifespan as they do not have charging degradation issues associated with other rechargeable battery types.

The smart battery pack is monitored and controlled via a built-in microcontroller which monitors the recharging process and prevents overloading.

Fully loading an empty battery takes about 4h and guarantees an autonomy of 20h for typical use.

At the bottom of the battery pack a test button can be pushed to check the remaining charge which is visualised via a led bar for about 3 seconds.



After the remaining charge indication the battery status is visualised. The status code is visualised with a combination of active leds.

Controls and Features

- Battery status LED
- Power adapter connected LED
- Charging LED
- Push-to-test button
- LED bar for capacity and status indication

Specifications

Electrical	
Supply voltage	15V
Capacity	6600 mAh
Autonomy	> 24 hours
Max/min output voltage	8.4 / 5.9 VDC
nominal output voltage	7.2 VDC
Charging time	4 hours
Mechanical	
Dimensions	170(w), 75(h), 25(d)
Weight (g)	377
Color	RAL 9011
Part number	71.98.0042
Environment	
operation temperature	+5 ... 55 °C

Accessories

- Charging tray :
Confidea CHT 71.98.0043
- Battery charger :
Confidea BPC 71.98.0040

Confidea CHT

CHARGING TRAY
Art. 71.98.0043



Description

The Confidea Charging Tray is a rack-mountable device of 3 U high that can recharge 6 Confidea Battery Packs at once.

It has an auto-ranging power supply and a loop-through mains connector.

Maximum 4 chargers can be daisy-chained for 110 VAC regions and 8 for 220 VAC regions.

It is designed for multiple mounting possibilities, having 19" rack, wall or table mounting capabilities.

Features

- Loop-through mains connector
- 6 slots for 1 Confidea Battery Pack each
- 19" rack mountable

Specifications

Electrical	
Supply voltage	100-230VAC \pm 10%
Output power	200W
Output voltage	100-230VAC \pm 10%
Mechanical	
Dimensions	483(w), 132(h), 139(d)
Weight (g)	3750
Color	RAL 9011
Part number	71.98.0043
Environment	
operation temperature	-10 ... 60°C

Confidea CHC

CHARGING CASE

Art. 71.98.0044



Features

- Pre-formed foam inlays
- Loop-through mains connector
- Handle for vertical transportation
- 2 handles for horizontal transportation
- Trolley with high quality wheels

Specifications

Mechanical	
Dimensions	360(h) x 710(w) x540(d)
Weight (kg)	14.6
Color	Black
Part number	71.98.0044

Description

The Confidea Charging Case accomodates 12 Confidea units with battery pack, 12 microphones , 1 access point and offers the possibility to build-in 2 charging trays (Confidea CHT, to be ordered separately).

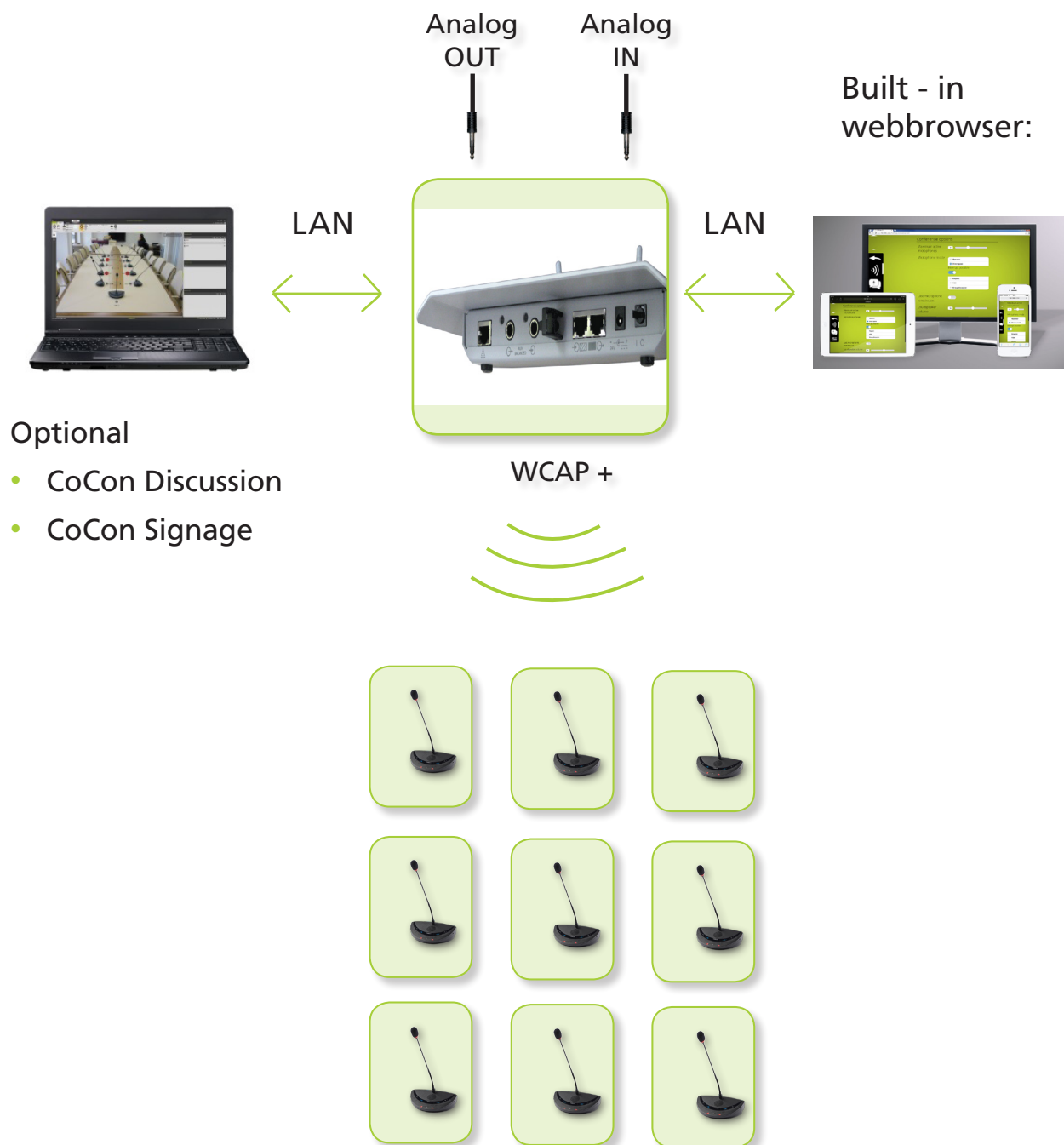
The case has been designed for frequent use and safe transportation. It has several handles and a high quality trolley, making it easy and comfortable to move from one place to another.

Accessories

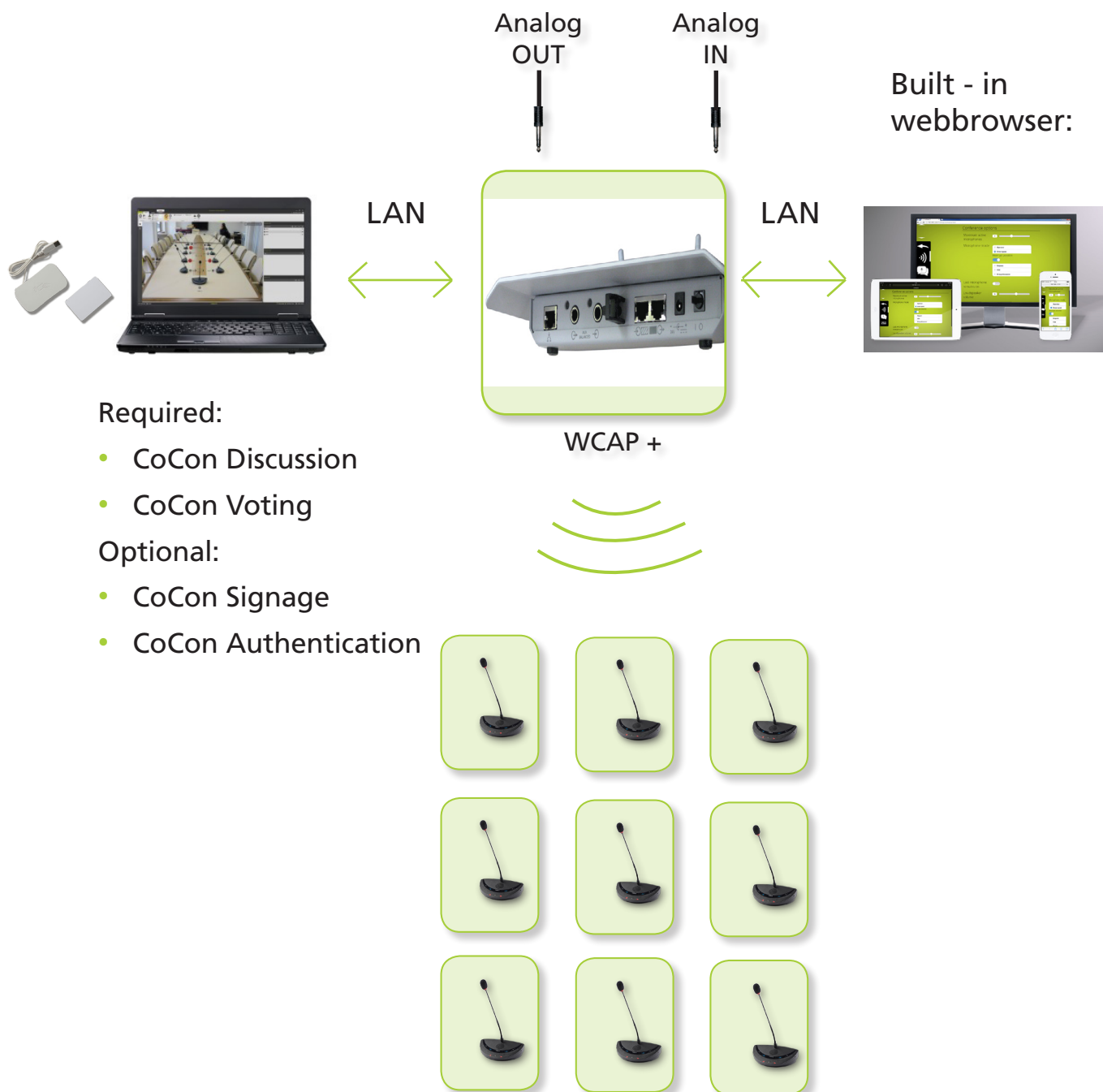
- Charging tray
Confidea CHT (71.98.0043)
- Confide Access Point (71.98.0033)



Connection Diagram



Connection Diagram with voting function



Confidea[®] Evolution

www.televic-conference.com



G1
2008

Market introduction
First Quad band
wireless conference system
First with full
wired – wireless capability



G2
2013

Major Confidea Upgrade
Improved robustness
Introduction of ATM
Voice activation



G3
2014

Latest RF technology
Spectrum analysis: &
Visualisation & Control
RFID authentication
Touch & Mobile
friendly web control