Confidea WCAP G3

Confidea Wireless Control Acces Point

Description

The Confidea Wireless Conference Access Point G3 is the heart of Televic's Wireless Confidea® system.

> For basic discussion and voting applications, the access point can be used in a stand-alone mode, acting as a central control unit.

Benefits

Mini Unit - Maximum Performance

Confidea® G3 is the third generation of Televic's renowned wireless conference system. A single WCAP has a range of 30 m in "open field". Extend this range by coupling with a Plixus engine, and combining it with additional WCAPs. It boasts a Quad-Band system which 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. But more importantly, the wide range of frequencies guarantees rock-solid reliability. The access point has a built-in spectrum scanner that constantly monitors the 4 bands to detect interference sources and identify clean frequencies. A web browser gives the IT manager at a glance information on which frequencies are usable for audio conferencing and suggests which frequencies not to use. Because there is a lot of WiFi equipment already used in buildings, an IT manager wants to have a grip on the available frequencies. Therefore, the

Confidea wireless system can block frequencies to ensure co-existence with other RF systems. This way, the access point is able to automatically choose a 'clean' frequency resulting in a stable link.

Up & Running In Minutes

The third generation Confidea WCAP is a true power horse that can act as a full central unit in a stand-alone configuration. It presents significant cost savings: for a wireless-only set-up no extra central unit is required. It also means that such a set-up is extremely easy. Even less technically savvy users can have the system fully up and running within just minutes. A host name suffices and Bonjour makes it easy to log in.

Three Layers of Security

To prevent eavesdropping and unauthorized access, the Confidea system has three layers of security built in. First off, the entire system runs on a proprietary communication protocol. Secondly, the open-close door principle ensures that only initialized units can participate in meetings. Finally, the entire systems is secured with a 128 bit AES encryption, both on the audio and on the control. The combination ensures the confidentiality of your meeting and protects the privacy of your delegates at all times.

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Browser-based Control on Any Device

The new, more powerful built-in web server offers all necessary functionality for a basic set-up and is controlled through a regular browser (IE, Firefox, Chrome, Safari). As a result, no additional software is required for basic discussion applications representing yet another cost saving step. The web interface is entirely responsive by design: this means the software can be controlled from any device. A desktop or a tablet can be used to configure the Confidea WCAP.

The browser acts as a central control hub. It allows you to create microphone groups and add name labels without any additional software: an absolutely unique feature. What's more it provides a central microphone system. This allows you to activate microphones based on a name, grant the floor to microphones in request mode, and even close a microphone that was left on accidentally. All through a clear web interface, at the click of a mouse or a simple touch. Viewing the active frequencies and and monitoring individual battery levels is also possible via the browser. What's more, facility managers can evens see the total amount of units available in the room at a glance. Finally, software updates are effortless and can be carried our right in the web interface.

Easy & Economical Integrations

The audio inputs and outputs make it easy to connect the Confidea system to external systems. The audio connections allow an easy integration in any video/audio conferencing setup. The 'external processing' setting allows the integration of mixing or audio processing equipment. In this case, the mix-minus or N-1 setting prevents echoes 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 breeze using the input jack. Finally, adding cameras and switchers to a venue using the Confidea system is swift and easy. The freedom to choose any PTZ camera or switchers ensures peace of mind when it comes to integrations.

The Televic Sound

The Confidea system has been engineered from scratch with speech intelligibility in mind. Because the objective of any conference system should be to bring participants closer together. And the human voice is the single most important element in this process. The superior sound of Televic's Confidea is warmer in comparison with DSP-designed systems and excels at speech intelligibility. It ensures every speaker and every idea is heard loud and clear.

CoCon Software Suite: A Wealth of Options

In more advanced and complex installations, the Confidea system can be controlled via the fully compatible CoCon Control software. This opens up a wide range of functionalities that enrich the conference experience: delegate management, agenda management, synoptic view, room display, and complex voting management.

The range is extendable by adding additional access points and associated equipment.

Features

- » Maximum 2048 units
- » Maximum of open microphones: 6 (including chairman)
- » Maximum number of interpretation channels: floor + 4 languages
- » Camera control integration capabilities
- » Chairman units always get priority
- » Microphone modes:
    - » Direct access
    - » VOX
    - » Group 1-6
    - » Override
    - » Chairman always gets the floor

Connectivity

- » Power connector
- » RJ45 LAN connection
- » RJ45 in from engine (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

Software

- » For meetings without voting, the use of software is optional. The following standard licenses are available:

CoCon Discussion	**71.98.1101**
CoCon Signage	**71.98.1102**

- » Meetings with voting require the following software:

CoCon Discussion	**71.98.1101**
CoCon Voting	**71.98.1104**

- » In these meetings, the following software is optional:

CoCon Signage	**71.98.1102**
CoCon Authentication	**71.98.1105**

Certification

Region	Certification
Europe	CE

Specifications

Mechanical	
Material	Aluminium
Color	RAL7035
Size (mm)	250 (w) × 40 (h) × 255 (d)
Size packed (mm)	400 (w) × 55 (h) × 305 (d)
Weight	1250g
Weight packed	1500g

Electrical	
Supply voltage	24 V (24V - 15W ACDC adapter) 48V (PoC)
Power consumption: Normal operation	7 W
Maximum power consumption	10 W
Ethernet port	LAN, TCP/IP
Modulation	OFDM
Transmitting power	< 20 dBm

System	
Sample rate	Max. 32 kSps
Sample width	Max. 24 bits
Audio channels	Max. 4 + floor
Frequency response	20-16,000 Hz

Setting 1: Professional Input Levels	
Nominal input level	+4 dBu
Max input level	+24 dBu
Frequency response	20-16,000 kHz
THD @ nominal level	0.1% @ 1 kHz
Dynamic Range	Min. 90 dB
Input impedance	10 kΩ

Setting 2: Consumer Input Levels	
Nominal input level	-10 dBV
Max input level	+10 dBV
Frequency response	20-16,000 kHz
THD @ nominal level	0.1% @ 1 kHz
Dynamic Range	Min. 90 dB
Input impedance	10 kΩ

Environment	
Fan noise	None

Operating temperature	5-50 °C