Confidea WAP G4

Confidea Wireless Access Point

Description

The compact, discreet yet powerful Confidea G4 access point is the heart of the wireless conference system.

The access point has a set of powerful tools to define the optimal use of channels within the RF spectrum and to keep the link with the wireless conference units secure and robust.

The built-in web-based software makes use of step by step wizards to guide the installer through the configuration of the system.

By adding a license, a set of powerful meeting management tools is unlocked offering meeting moderation, voting, participant identification and reporting capabilities.

Furthermore the access point has a wealth of connectivity options. Powering the device can be done via a standard PoE+ switch or power injector.

An analog interface is available to interfacing 3rd party audio systems like presentation systems, room audio systems or hybrid meeting platforms like zoom, teams, etc.

Easy recording capabilities are provided with options to record on internal or external storage.

The combination of all these capabilities result in an innovative wireless conference solution that feels at home in any meeting environment.

The Televic Confidea G4 wireless conference system ensures reliable and secure communication without interruptions resulting in worry-free meetings.

Features

Worry free wireless
» WiFi5
» Clean channel manager to define the operating channel of the system
» DFS radar detection and avoidance
» Co-existance with other WiFi systems
» Possibility to operate in upper channels of 5 GHz range, typically underserved by other wireless systems
» Predictive error concealment algorithm masking the effect of lost or damaged packets resulting in continuous audio
» Self healing channel switching seamlessly switches to another channel when interference encountered or radar is detected on DFS channel
» Spacial diversity and MIMO antenna design for optimized signal reception
» Omni-directional range of 40 m

Security
» 802.1X (MD5, TLS, PEAP-MSCHAPv2) for LAN port only
» WPA2 Enterprise WiFi security
» Radius server certificate validation preventing spoofing
» Ecryption key negotiation at each startup and connection of conference unit
» Unique encryption key exchange for each device connected to the system

Design
» Compact and discreet design
» Multifunctional mounting plate
» Built-in microphone stand screw mounting option ideal for mobile setups
» Easy click principle for easy mounting and removal of the access point
» Optional paintable cover

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Ease of setup and built-in software capabilities
» PoE+ powered
» Device discovery by physical button on WAP or via integrated web-based software
» Wizard based setup and configuration
» Automatic channel management and interference avoidance
» Channel quality visualization, monitoring and configuration capabilities
» Battery remaining meeting time visualization and low battery warning
» License management : assign or revoke licenses for Confidea G4 units.
» Upload custom standby screen for Confidea G4 units
» Audio routing for external processing or distance conferencing
» Mix-Minus mode
» Recording capabilities: internal or external storage and file download
» Camera protocols providing device information to integrate 3rd party camera control systems
» Compatibility with Televic T-CAM camera tracking solution

Connectivity

» LAN connection with PoE+
» 2 x Plixus ports
» 1 x Phoenix mini balanced analog in
» 1 x Phoenix mini balanced analog out
» 1 x overload activity LEDs analog in
» 1 x signal present LED for analog out
» 1 x USB 2.0 type A connector

Software
» The Confidea WAP G4 comes included with the web-based Confero software. Simply browse to the WAP with a standard web browser.
Confero has all the tools to setup, configure and monitor the wireless conference system with easy to use wizards. A custom standby screen can be uploaded to personalize the units according to the customer, meeting or event.
» Adding the Confero 360 management software opens a wealth of additional functionality to facilitate meeting preparation, moderation, participant engagement and meeting reporting.
Different user roles can be configured so users are only confronted with functionality for the task at hand.

Confero 360	**71.98.3000**

» Creation of synoptic overview representing the room layout
» Manage the status of microphone from the room layout, speaker and request list
» Creation of a meeting template with seating plan
» Link participant names to seats
» Linking identification badges to participants so they can log-in and be identified in any conference unit.
» Start/ Stop recording with capability to automatically start when meeting started
» Ad-hoc voting

» Signage view of microphone status in room layout, speaker list, request list and voting results
» Overview of meeting reports with participant attendance, overall voting results, individual voting resuls for public votes and accompanied recording

Accessories
» PoE+ Power injector

Confidea WAP PS G4	**71.98.0028**

» Paintable cover

Confidea WAP PC	**71.98.0029**

Specifications

Mechanical	
Material	ABS
Color	White
Size (W x H x D)	191 × 45 × 191 mm 7.52 x 1.77 x 7.52 in
Size packed (W x H x D)	233 × 46 × 233 mm 9.17 x 1.81 x 7.52 in
Weight	680 g 1.50 lb
Weight packed	825 g 1.82 lb
Mounting type	wall, ceiling, electrical box, microphone stand
Electrical	
Supply type	PoE+, 802.3at, Type 2 PD
Typical power consumption	15 W
Max power consumption	24 W
System	
Encryption type	WPA2 Enterprise
Max number of units	128
Max number of open microphones	8
Latency (microphone to WAP - WAP to loudspeaker)	16 ms
Audio	48 kHz / 24 bit
Frequency response	20 - 20 kHz
THD (22 - 22000 Hz)	< 0.02 %
Dynamic range	> 90 dB
Signal to noise ratio	> 95 dBA
RF	
WiFi standard	WiFi5, IEEE802.11ac
RF frequency bands	2.4 Ghz / 5 GHz
ERP (Equivalent Isotropically Radiated power)	< 24 dBm
Range	40 m

Antenna	
No of antennas	5

LAN	
Interface	Ethernet
Link speed	100 Mbps
Network addressing	DHCP, NTP or Manual
Cable type	> Cat5e (shielded)
Connector	RJ45
Connector LED	Green : Link Orange : Link activity
Cable Length	100 m (max)

Security	
Authentication	802.1X (MD5, TLS, PEAP-MSCHAPv2) for LAN port only

Plixus	
Interface	Ethernet
Link speed	100 Mbps
Power	48 VDC
Continuous output current	2A
Cable type	> Cat5e (shielded)
Connector	RJ45
Connector LED	Green : Status Orange : Link speed
Cable Length	80 m (max)

Recording	
Format	MP3
Quality	64, 128, 196, 256 kbps
Maximum size	500 GB

USB	
Interface	USB2.0
Format	NTFS
Maximum size	500 GB

Internal Storage	
Size	4 GB

Audio Input	
Nominal input level	0 dBV
Max input level	+10 dBV
Frequency response	20 - 20 kHz
THD @ nominal level (22 - 22 kHz)	< 0,02 %
Dynamic Range	> 90 dB
SNR	> 95 dBA
Input impedance	> 10 kΩ
Configuration	Balanced
Connector type	3 pin Phoenix mini combicon

Audio output	
Nominal output level	0 dBV
Max output level	+ 10 dBV
Frequency response	20 - 20000 Hz
THD @ nominal level (22 - 22000Hz)	< 0,02 %
Dynamic Range	> 90 dB
Load impedance	> 600 Ω
Configuration	Balanced
Connector type	3 pin Phoenix mini combicon

Environment	
Operating temperature	0 – 45°C
Storage and transport temperature	-20 – 60°C
Humidity	<95%, >5%

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