

Confidea WAP G4

71.98.0034

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.

Both analog and digital (Dante) interfaces are 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-existence 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
- » Spatial diversity and MIMO antenna design for optimized signal reception
- » Omni-directional range of 40m

Security

- » 802.1X (MD5, TLS, PEAP-MSCHAPv2) for LAN port only
- » WPA2 Enterprise WiFi security
- » Radius server certificate validation preventing spoofing
- » Eryption 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

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
- » Switch off all units
- » Audio routing for external processing or distance conferencing
- » 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 Pliux 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
- » 1 x Dante port (8 x 8 channels)

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

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- » 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 results 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 x 45 x 191 mm 7.52 x 1.77 x 7.52 in |
| Size packed (W x H x D) | 233 x 46 x 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 | 250 |
| Max number of open microphones | 8 |
| Max number of interpretation channels (*) | 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 |

* Available in future software updates

| | |
|---------------------------|--|
| Range | 40 m |
| Antenna | |
| No of antennas | 5 |
| LAN | |
| Interface | Ethernet |
| Link speed | 100 Mbps |
| Network addressing | DHCP 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 |
| Dante | |
| Interface | Gigabit Ethernet |
| Link speed | 1000 Mbps |
| Digital audio | Dante / AES67 |
| Number of channels | 8 x 8 |
| Cable type | > Cat5e (shielded / unshielded) |
| Connector | RJ45 |
| Connector LED | Green : Link Orange : Link activity |
| Cable Length | 100 m (max) |
| 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 input 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% |