

## DESCRIPTION

The AM-CF1W is a professional conferencing audio system equipped with a real-time steering array microphone and active stereo speakers, which supports USB, Bluetooth®, Codec and analog audio interfaces for web conferencing applications in small to medium size meeting spaces. A line array microphone enables to track sound automatically, helping to clearly pick up the voice of a particular participant. Built-in AEC (Acoustic Echo Cancellation), NC (Noise Cancellation), and EQ maximize performance making collaboration between remote sites a very natural experience. Seven LED indicators help reliable communications by visualizing presenter location, input voice level and mute status. Extra USB service ports are also available for local connections with other USB devices such as webcam.

## SPECIFICATIONS

| Version               | 3CU                                                                                                                                                                                                                                                                                                                                         | H                                                                                          | W    |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------|
| Power Source          | 12 V DC (supplied from the specified AC adapter (accessory)) or 52 V DC (supplied from the specified PoE extender)                                                                                                                                                                                                                          |                                                                                            |      |
| Current Consumption   | 3.5 A or less                                                                                                                                                                                                                                                                                                                               |                                                                                            |      |
| Input                 | USB Audio: 2 channels, USB 3.0/USB 2.0/USB 1.1 3.0 type-B port<br>Bluetooth: 2 channels (A2DP1.3 (stereo), HFP1.6)<br>Codec: 1 channel, -10 dB (*1), 10 kΩ, unbalanced, RCA pin jack<br>AUX: Stereo 1 channel, -10 dB (*1), 10 kΩ, unbalanced, RCA pin jack                                                                                 |                                                                                            |      |
| Output                | USB Audio: 2 channels, USB 3.0/USB 2.0/USB 1.1 3.0 type-B port<br>Bluetooth: 1 channel (HFP1.6)<br>Codec: 1 channel, -10 dB (*1), 600 Ω, unbalanced, RCA pin jack<br>AUX: Stereo 1 channel, 4 dB (*2), 600 Ω, electronically-balanced, removable terminal block (6 pins)<br>Internal speaker: 2-way (woofer × 2, tweeter × 1) × 2, 10 W × 2 |                                                                                            |      |
| USB Hub Port          | USB 3.0/USB 2.0/USB 1.1 type-A port                                                                                                                                                                                                                                                                                                         |                                                                                            |      |
| Control Input         | 2 channels, no-voltage make contact input, open voltage: 12 V DC, short-circuit current: 2 mA or less, removable terminal block (6 pins)                                                                                                                                                                                                    |                                                                                            |      |
| Control Output        | 2 channels, relay contact output, withstand voltage: 30 V DC, control current: max. 300 mA, removable terminal block (6 pins)                                                                                                                                                                                                               |                                                                                            |      |
| Network I/F           | 10BASE-T/100BASE-TX, RJ-45                                                                                                                                                                                                                                                                                                                  |                                                                                            |      |
| Microphone            | Unidirectional electret condenser microphone                                                                                                                                                                                                                                                                                                |                                                                                            |      |
| Frequency Response    | 20 Hz - 20 kHz (AUX IN - AUX OUT)                                                                                                                                                                                                                                                                                                           |                                                                                            |      |
| Operation             | Power switch, Bluetooth pairing, Mute, Volume Up/Down                                                                                                                                                                                                                                                                                       |                                                                                            |      |
| Indicators            | Power (blue/green/yellow/red), USB connection (green/blue), Bluetooth (blue), Multifunction (green/red)                                                                                                                                                                                                                                     |                                                                                            |      |
| Operating Temperature | 0 °C to +40 °C (32 °F to 104 °F)                                                                                                                                                                                                                                                                                                            |                                                                                            |      |
| Operating Humidity    | 90 %RH or less (no condensation)                                                                                                                                                                                                                                                                                                            |                                                                                            |      |
| Finish                | Body: Aluminum, white (RAL 9003 equivalent)<br>Punched net: Surface-treated steel plate, white (RAL 9003 equivalent)<br>Side cover: ABS resin, white (RAL 9003 equivalent)                                                                                                                                                                  |                                                                                            |      |
| Dimensions            | 800 (W) × 83.2 (H) × 85.8 (D) mm (31.5" × 3.28" × 3.38")                                                                                                                                                                                                                                                                                    |                                                                                            |      |
| Weight                | 4.6 kg (10.14 lb)                                                                                                                                                                                                                                                                                                                           |                                                                                            |      |
| Accessory             | AC adapter<br>(DC cord length: 1 m (3.28 ft)) ...1,<br>AC Power cord (2 m (6.56 ft)) ...1,                                                                                                                                                                                                                                                  | AC adapter<br>(DC cord length: 1 m (3.28 ft)) ...1,<br>AC Power cord (2 m (6.56 ft)) ...2, | (*3) |
|                       | USB cable (3 m (9.84 ft)) ...1, Removable terminal plug (6 pins) ...2,<br>Wall mounting bracket (preinstalled on the unit) ...1, Hex wrench (M3) ...1                                                                                                                                                                                       |                                                                                            |      |

(\*1) 0 dB = 1 V

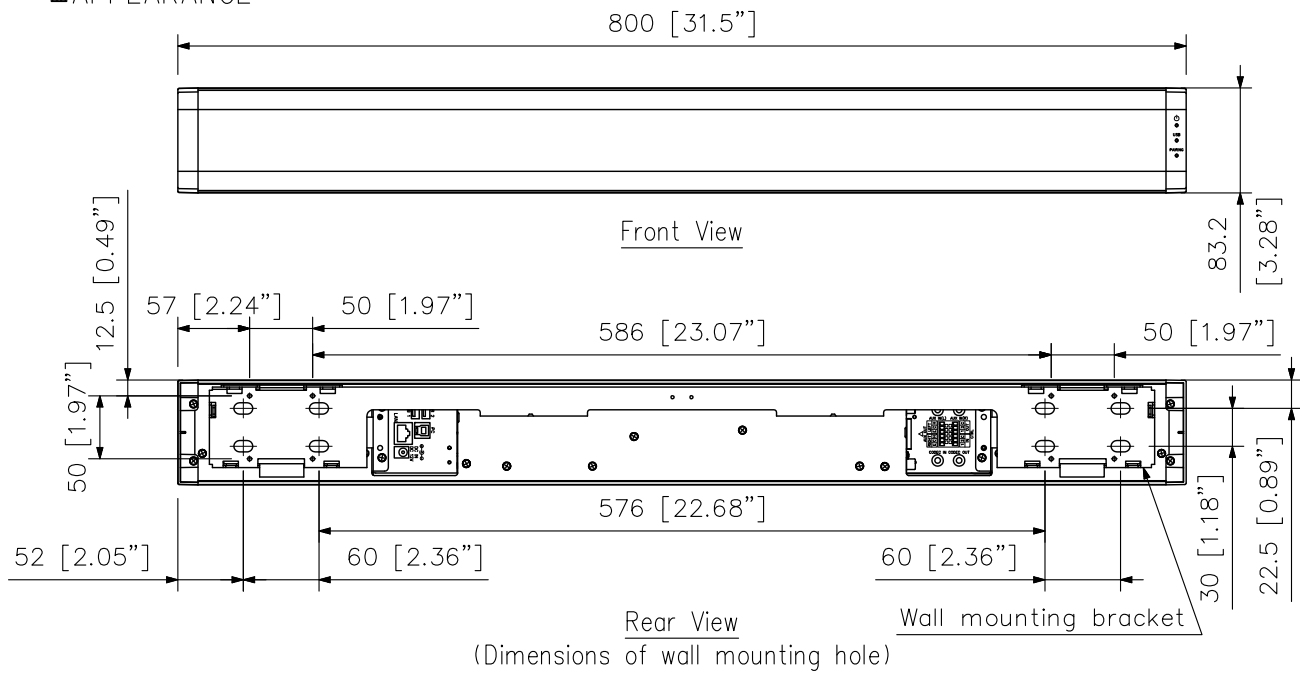
(\*2) 0 dB = 0.775 V

(\*3) No AC adapter is supplied with the AM-CF1W(W). For the usable power supply cord and AC adapter, contact your nearest TOA dealer.

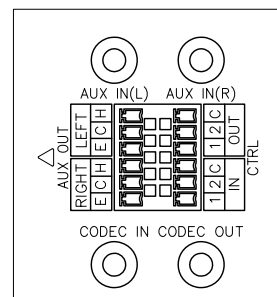
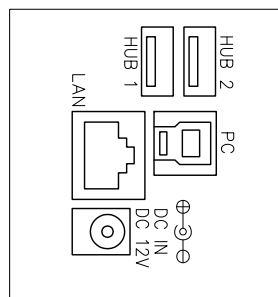
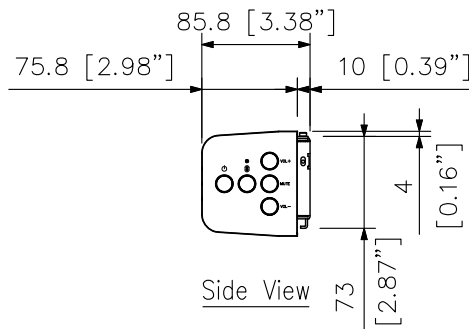
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# INTEGRATED AUDIO COLLABORATION SYSTEM

AM-CF1W  
(3CU/H/W)



Rear View without wall mounting bracket



Enlarged view of Terminal

| Version | 3CU | H |
|---------|-----|---|
| AC plug |     |   |

UNIT:mm SCALE:1/6