

# SPA-D1000

Module audio IP

## Key Features

- Niveau de sortie : +6dBV ± 3dB
- Réponse en fréquence : 20Hz ~ 20kHz
- Amplificateur : Intégré 10W Classe D
- Alimentation : PoE (IEEE 802.3 af type 1 Classe 3), PoE+(IEEE 802.3 at type 2 Classe 4)
- Mémoire interne : 1 GBytes
- Protocole pris en charge : IPv4, HTTP, HTTPS, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP, SNMP(v3)
- TTS : Anglais (US, UK), Allemand, Français, Espagnol, Russe
- Surveillance audio : Haut-parleur, Test de connexion

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# SPA-D1000

Module audio IP



## Specifications

| | |
|---|---|
| **Product** | |
| IP Audio Type | IP Audio Module |
| **Line Ouput** | |
| Output Level | +6 dBV ±3 dB |
| Frequency Response | 20Hz~20kHz |
| THD + N Ration (AES17LPF) | Less than 0.1% |
| S/N Ration (20kHz LPF, A-WTD) | Greater than 91 dB |
| **Amplifier** | |
| Description | Built in 10W Class D |
| **Network** | |
| Ethernet | 10/100 Base-T |
| **Memory** | |
| Internal Memory | 1 GBytes |
| External Memory (Micro SD) | SDHC upto 32GB (SANDISK) |
| **Contact** | |
| Contact Input. Dry contact | One Channel |
| Contact Output. Dry contact (NO) | One channel |
| **General** | |
| Operating Temperature | -20°~+50°C(-4°F~+122°F) |
| Operating Humidity | 10~85%RH(Non-Condensing) |
| IP Code | N/A |
| Weight | 0.24Kg (0.53lb) |
| Size | 123(W)*80(H)*30.6(W)mm |
| Color | White |
| Certificate | EMC : KS C 9832/9835,EN 55.32/55035,FCC Part 15 Subpart B,ICES-003,<br>Safety : KC 62368-1,UL 62368-1,CAN/CSA 62368-1 |
| **Power** | |
| PoE | PoE (IEEE 802.3 af type 1 Class 3) |

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## Power

| | |
|---|---|
| PoE+ | (IEEE 802.3 at type 2 Class 4) |

## Embeded MIC

| | |
|---|---|
| Input Sensitivity | Sound Level Meter |
| Frequency Response | Sound Level Meter |

## Audio

| | |
|---|---|
| Supported Audio Format | WAV, MP3 in mono/stereo from 64 kbps to 320 kbps. Sampling rate from 16kHz up to 48 kHz |

## Network Protocol

| | |
|---|---|
| Security | Password protection : admin, setup, user, guest (sha-2, Digest authentication, User access log) |
| Supported Protocols | IPv4, HTTP, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP |

## System Integration

| | |
|---|---|
| Application Programming Interface | SUNAPI(HTTP API), ONVIF Profile S |
| Multi-source Dynamic PA control | Multi-source up to 48 (Multicast) (Audio 24CH + Mic 24CH) (Up to 15 audio channels can be broadcast simultaneously), Up to 256 Zone Control (Multicast), Up to 20 Zone Control (Unicast), Up to 255 Groups |
| VoIP | Tested with SIP clients such as Grandstream,Yealink,Cisco,MicroSIP softphone and PBX supplier such as Asterisk,<br>Supported SIP features : DTMF (RFC2833),<br>Supported codecs : PCMU,PCMA,speex/8000,speex/16000 |
| TTS | English (US, UK), German, French, Spanish, Russian |
| Audio Monitoring | Speaker test by graphic level meter (Built in test tool) |
| Event & Preset | Virtual Contact, Dry contact |
| Functional Monitoring | Connection verification, Built-in system logging |

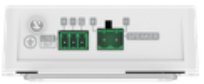
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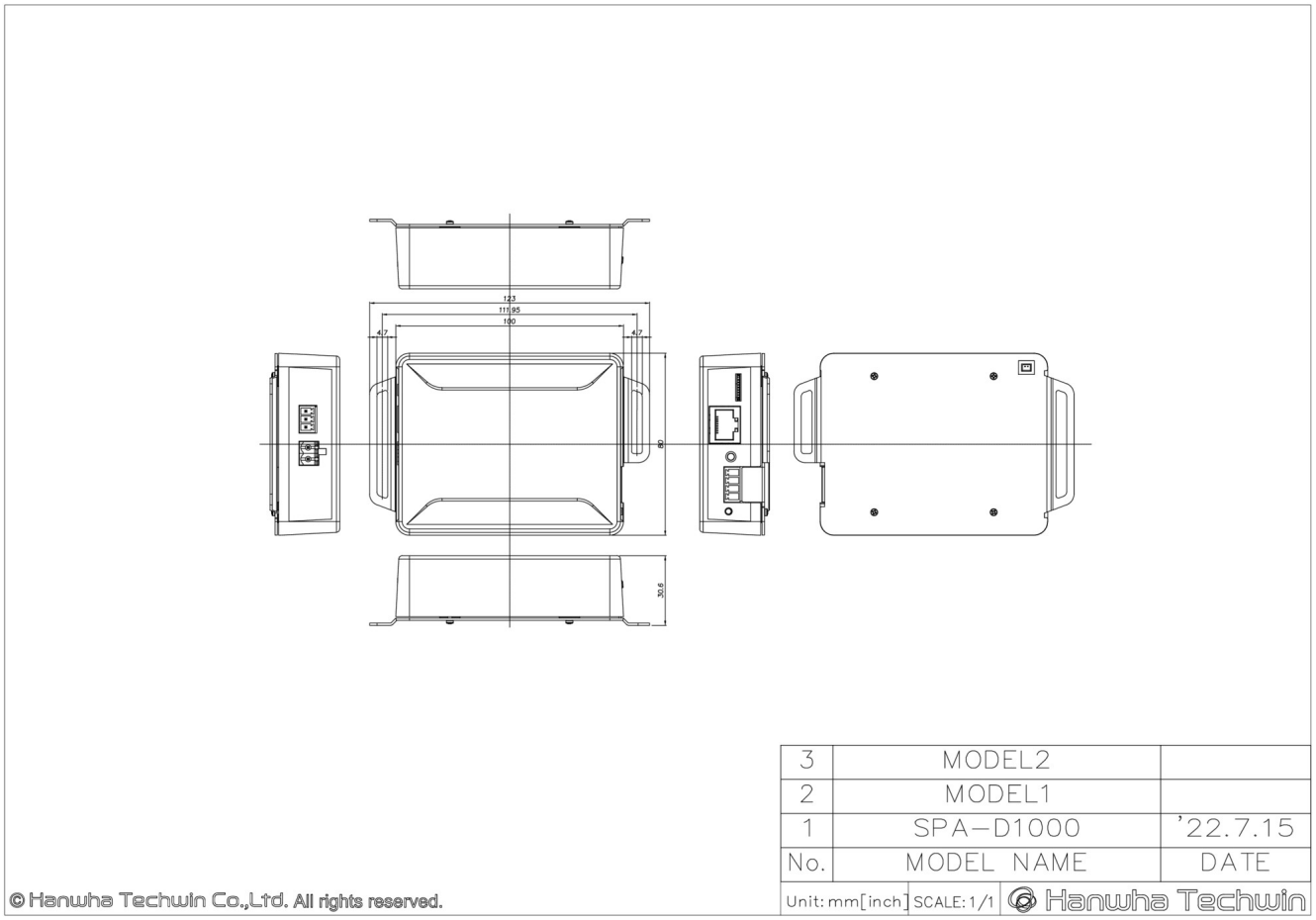
Module audio IP





## CAD

**Unit:** mm [inch]




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