PRODUCT CATALOGUE

SOUND MASKING

PAGING

MUSIC

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Our company has been dedicated to the design and manufacture of sound masking systems for over thirty-five years. Our products are available globally and installed in many hundreds of millions of square feet for clients ranging in size from small business to Fortune 500.

In 2003, we revolutionized the industry when we launched the world’s first networked sound masking, paging and music system: the LogiSon® Acoustic Network. It’s now a recognized leader that has earned over sixteen awards for innovation, performance and ease of use.

With our length and breadth of experience in this field, we know that flexibility is the key to a successful sound masking implementation. That’s because it isn’t enough to introduce just any sound into your space. It has to be the right sound, in the right place, at the right time. The LogiSon Acoustic Network provides this superior level of acoustic control and puts it at your fingertips.

This elegantly engineered solution is suitable for projects of any size and complexity. A variety of loudspeaker designs, small zones and precise control over industry-leading functions allow the system to be customized for the unique conditions presented by each installation. It also has paging and music capabilities, eliminating the need for a separate system. Networked control of settings and zones means adjustments can be made in minutes following any organizational or structural changes.

Our representatives provide a complete range of professional services and highly responsive technical support. They design, tune and program the LogiSon Acoustic Network, either independently or together with your acoustical consultant. The system can be installed by our representative’s in-house technicians, a third party or your own electrical or audio contractor. If necessary, it can easily be expanded or relocated in the future.

To find the LogiSon Representative nearest you or to download the spec, visit our website:

**www.logison.com**

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**Network Control Panel**

The Network Control Panel can be mounted on a wall or in an equipment closet. Users can manage the system’s settings and zones from this central location. If paging or background music are needed, simply add an Audio Input Module to the panel and connect a source, such as a telephone system.
Hub
Primary Hubs are connected to the Network Control Panel in series. This component lets users program the zoning and settings for individual loudspeakers. It also offers multiplexed audio without the need for additional generators, amplifiers or equalizers.

If desired, up to two Secondary Hubs can be connected to each Primary Hub and replicate its settings, increasing zone size from one loudspeaker to a maximum of three (225 to 675 ft²).

Loudspeaker
A loudspeaker is suspended from each hub. Though usually located above a suspended ceiling, a range of models is available to accommodate different needs. Regardless of which one is selected, the system’s backbone is always the same high-performance LogiSon technology.

Keypad + Remote
The Programmable Keypad and accompanying remote provide occupants with on-demand adjustment of masking and paging settings, ideal for private offices and meeting rooms.

Cabling
Wiring consists of a single line of low-voltage cable. However, zoning is digital, not hardwired, allowing changes to be made in minutes.

Software
The LogiSon Acoustic Network also offers software-based control.

Acoustic Network Manager Software provides multi-floor or whole-building control from one PC location. Page Director Software lets users create custom paging zones as required. Acoustic Network Supervisor Software monitors the system and sends an email to specified recipients if an issue occurs.
Any masking system will introduce a sound into your facility, but the level of speech privacy, noise control and comfort you’ll achieve depends on its ability to meet the desired spectrum or ‘curve’ throughout your space. As shown in the graph, some volume variation is expected, but those greater than ±0.5 dBA can mean big sacrifices in performance.

What’s our recipe for success? First, we design our systems to provide all of the building blocks needed to effectively tune the masking sound:

- **Small Adjustment Zones**
  Zones are 1 to 3 loudspeakers in size, maximizing local control across your entire workplace. We can adjust the masking sound exactly where needed to achieve the desired curve.

- **Decentralized Sound Generation**
  Each zone features a dedicated generator, which produces a truly random sound covering the full masking spectrum, typically specified between 100 and 5,000 hertz (Hz).

- **Precise Volume Control**
  Each zone offers 100 volume settings in nearly imperceptible 0.5 decibel (dB) steps, permitting fine adjustment and preventing the need to compromise between effectiveness and occupant comfort.

- **Third-octave Frequency Control**
  Each zone’s equalizer covers 63 to 10,000 Hz, providing third-octave frequency control well beyond the range of the typical masking spectrum.

- **Full-range Loudspeakers**
  4-inch (10 cm) loudspeakers are compact, yet still large enough to produce the low frequencies needed for comfort and to mask a wider range of noises. Performance is monitored 24/7.

**The TARGET Difference**

Following installation, we begin our TARGET tuning process. This unique application automatically third-octave tunes each small zone to the desired curve far faster and more precisely than formerly achievable, even by expert technicians. It also generates a detailed report, verifying performance. Typical tuning time is reduced by 90% or more, while the benefits of the masking are maximized.

The result is a more comfortable and effective sound.
A sound masking system’s quality and durability depend on its ability to adapt to changes as much as on its material construction. Networked control makes future adjustments quick and easy because changes can be made without physically accessing the components or altering the cabling. Such a high degree of flexibility maximizes the system’s effectiveness and occupant comfort, helping safeguard your most valuable investment: employees.

The Network Control Panel can be wall-mounted within a room or closet. It provides the functionality of numerous rack-mounted components, reducing the costs, energy and space needed for equipment. The panel allows the administrator to establish timer, paging and keypad zones. There are no restrictions on the size of each type of zone and they can be non-contiguous. The administrator can also set the volume and equalizer levels for masking and paging, program ramp-up and timer schedules, select paging channels, and create user limits for each Programmable Keypad. The panel uses non-volatile memory so that these settings are preserved in the event of a power failure.

Commands can be sent to one, a group or all Primary Hubs on the system. Panels can be networked together so that the administrator can manage several floors, an entire building or campus from one location. They can also be linked to third party control systems. Changes can be made in minutes following renovations, moving furniture or personnel, keeping the system performing at optimal levels throughout its lifecycle.

Paging and music are provided simply by adding one or more Audio Input Modules to the panel and connecting a source such as a telephone system or MP3 player. The panel also features a priority page input that allows temporary settings to be implemented in emergencies.

The panel’s calendar-based timer utility allows the administrator to schedule changes in the sound masking volume to match expected occupancy levels. Each panel offers nine timer zones. The administrator can establish a different schedule for each zone and each day of the week, with up to nine volume changes per day. These changes are made at a gradual, user-defined rate so as not to call occupants’ attention to them. The administrator can also program unique schedules for up to 30 individual dates, such as holidays. The panel adjusts for daylight saving time.

There is also an introductory ramp-up feature for retrofit installations, which progressively increases the sound masking volume over a period of up to 60 days, allowing occupants to acclimatize to their new acoustical conditions. The administrator can program the ramp-up period to begin on a defined date. A unique version can be established for each timer zone.

For more information, see the LogiSon® NCP-2 User Manual.

Security
The LogiSon Acoustic Network is secured using both physical and electronic methods. The Network Control Panel is small and can easily be located within a secure space. Cabling connections are made inside the enclosure. A key is required to open the door and access the keypad. A password is needed to change the settings. There are no physical controls on the hubs or loudspeakers.

The network upstream from the panel is open. However, 128-bit AES encryption ensures that commands are unreadable whether transmitted to the panel by wired or wireless connection, providing further protection from unauthorized access. Downstream, the network is standard RS-485, which is commonly used in building automation.

The panel also monitors system performance. If a Relay Output Module is installed, it can be connected to warning lights, sirens or a third party security system to immediately alert the administrator to any issues. The administrator can also elect to receive email notification via the Acoustic Network Supervisor Software.

For more information about the LogiSon Acoustic Network’s security features, see the Acoustic Network Supervisor Software and Relay Output Module sections of this catalogue or speak to your LogiSon Representative.
## SPECIFICATIONS

### Control Performance
- Network initialization, masking, paging, timer, keypad settings, zoning, paging/music inputs, system monitoring and diagnostics

### Masking Performance
- **Volume**: 35 to 85 dBA @ 1 m in 0.5 dBA steps + mute
- **Equalization (w/ PC)**: 1/3-octave, 23 bands, 63 to 10,000 Hz

### Paging Performance
- **Audio Inputs**: 3, any combination of auxiliary, telephone and microphone
- **Zone Configuration**: Zone 1, 2, 3 or none; unlimited zones with Page Director Software
- **Volume**: 35 to 85 dBA @ 1 m in 0.5 dBA steps + mute
- **Equalization (w/ PC)**: 1/1-octave, 8 bands

### Timer Performance
- **Zone Number**: Up to 9
- **Zone Size**: Unrestricted
- **Scheduling**: Unique schedule for each day of the week
- **Volume Changes per Day**: Up to 9
- **Volume Increments**: 0.5 dBA steps
- **Rate of Change**: 0 to 9 minutes per volume increment
- **Exception Schedules**: Up to 30 dates, 3 user-defined schedules
- **Delayed Start Feature**: Yes
- **Ramp Up Feature**: Up to 60 days, user-defined schedule in 0.5 or 1 dBA steps
- **Daylight Savings Adjustment**: Yes

### Components per Panel
- **Max. Number of Components**: 125 per panel
- **Max. Number of Loudspeakers**: 375 per panel

### Network Type
- **Upstream from Panel**: Open; protected with 128-bit AES encryption
- **Downstream from Panel**: Closed; standard RS-485

### Connections
- **Power Input**: 3-pin, screw terminal
- **Network Output**: 6-pin
- **Ethernet Connection**: 10/100 Base-T RJ-45
- **Audio Inputs**: 3-pin, screw terminal x 3
- **Priority Page**: 2-pin, screw terminal

### Power
- **Input**: 30 VDC
- **Output**: 30 VDC
- **Consumption**: Maximum 12 W
- **Ground**: Earth ground
- **Relay Outputs**: 2-pin, screw terminal x 2

### Battery
- **Size**: 1/2 AA
- **Voltage**: 3.6 V
- **Life Expectancy**: 10 years

### Physical Specifications
- **Dimensions (W x H x D)**: 28 x 23 x 7.6 cm; 11 x 9 x 3 inches
- **Enclosure**: Steel with powdercoat finish
- **Color**: Charcoal grey
- **Weight**: 2 kg, 5 lbs
- **Keypad**: 20-key membrane panel
- **Display**: 4 x 20 backlit LCD

### Mounting
- **4 keyhole mounting positions

### Security
- **Physical**: Key-lock enclosure
- **Electronic**: Password required to access settings, 3 levels

### Warranty
- 5 years; see LogSon® Product Warranty for details

### Certifications
- Meets UL, CE, ACMA (C-Tick) and FCC standards; RoHS compliant
Acoustic Network Manager gives the administrator a level of control that is unsurpassed in the industry.

Commands can be sent to one, a group or all Primary Hubs. The administrator can establish the masking and paging settings, as well as the timer, paging and keypad zones. There are no restrictions on the size of each type of zone and they can be non-contiguous. The administrator can also program ramp-up and timer schedules, select paging channels and create user limits for each Programmable Keypad. Hub indicators show type, status, volume and muting.

The attractive user interface is configurable to show or hide functionality based on the user or installation type. Communication is protected by 128-bit AES encryption. Settings can be saved to an electronic file or printed for record-keeping purposes.

For more information, see the LogiSon® Acoustic Network Manager User Manual. The application also includes a help file and user guide.
Each Network Control Panel supports up to 58 keypad zones. An administrator defines what area each keypad controls, the functions it offers and the degree to which occupants can change those functions. The occupant can then customize the room’s settings within those parameters. For example, they may be able to increase or decrease the sound masking and/or paging volume, mute the sound masking and/or paging, and/or change the paging channel.

The administrator also sets the keypad’s default settings. The keypad can be manually restored to these settings or set to do so automatically after a defined period of time or at a particular time of day.

**SPECIFICATIONS**

**Control Performance**
- Masking and paging volume control, masking and paging mute, paging channel selection, remote control receiver enable/disable

**Masking Performance**
- Volume Adjustment Range: 99 step range in 0.5 dBA steps + mute
- Volume Restriction: Administrator defines minimum and maximum
- Function Restriction: Administrator enables or disables functions

**Paging Performance**
- Volume Adjustment Range: 99 step range in 0.5 dBA steps + mute
- Volume Restriction: Administrator defines minimum and maximum
- Function Restriction: Administrator enables or disables functions
- Paging Channel Selection: Zone 1, 2, 3 or none

**Connections**
- Network In/Out: 6-pin

**Power**
- Input: 30 VDC
- Consumption: Maximum 6 W

**Zoning**
- Method: Electronically zoned using Network Control Panel or Acoustic Network Manager Software
- Zone Size: No limit

**Physical Specifications**
- Dimensions (W x H x D): 4 x 10.4 x 4.6 cm; 1.58 x 4.1 x 1.825 inches
- Color: White
- Weight: 120 g; 4.2 oz
- Display: 2-digit LED
- Keypad: 4-key membrane panel

**Remote Control**
- Remote Receiver: Infrared remote control receiver for use with PKR-1
- Function Restriction: Administrator enables or disables function

**Mounting**
- Single-gang wall box with white, Decora-style faceplate

**Security**
- Function Restrictions: See restrictions noted above

**Warranty**
- 5 years; see LogiSon® Product Warranty for details

**Certifications**
- Meets UL, CE, ACMA (C-Tick) and FCC standards; RoHS compliant
The Primary Network Hub is also available in charcoal grey.

Primary Hubs are connected to the Network Control Panel in series and each one is automatically assigned a unique operating address during system start up. The panel uses these addresses to communicate with the hubs, allowing the administrator to program the zoning and settings for individual loudspeakers.

Primary Network Hubs are typically mounted to the deck or another approved structure within the ceiling and a loudspeaker is suspended from each one. The Primary Network Hub features communication technology, Digital Signal Processing (DSP) truly random masking sound generation, a 1/3-octave masking equalizer, a 1/1-octave paging equalizer, an amplifier, independent volume controls for masking and paging, and multiplexed paging selection. This high level of component integration eliminates the need for centrally-located audio equipment. The hub also performs unique power and loudspeaker monitoring functions.

**SPECIFICATIONS**

**Masking Performance**
- Sound Generation: Digital Signal Processor (DSP), truly random (nondeterministic)
- Volume: 35 to 85 dBA @ 1 m in 0.5 dBA steps + mute
- Equalization (w/ PC): 1/3-octave, 23 bands, 63 to 10,000 Hz

**Paging Performance**
- Zone Configuration: Zone 1, 2, 3 or none
- Volume: 35 to 85 dBA @ 1 m in 0.5 dBA steps + mute
- Equalization (w/ PC): 1/1-octave, 8 bands

**Timer Performance**
- Zoning and events set using Network Control Panel or Acoustic Network Manager Software

**Components per Hub**
- Number of SNH-1: 0 to 2
- Number of Loudspeakers: 1 to 3

**Connections**
- Network Input: 6-pin
- Network Output: 6-pin
- SNH Output: 2-pin x 2
- Loudspeaker Output: 2-pin

**Cabling**
- PNH to PNH: CA6 series cable
- PNH to SNH: CA2 series cable

**Power**
- Input: 30 VDC
- Consumption: 3.6 W at typical settings; 6.4 W at maximum settings

**Integrated Amplifier**
- 5 W

**Physical Specifications**
- Dimensions (W x H): 13.0 x 4.5 cm; 5.1 x 1.75 inches
- Enclosure: Plenum-rated resin
- Color: White or charcoal grey
- Weight: 0.2 kg; 0.4 lb

**Mounting**
- Flexible mounting options; see LogiSon® Installation Manual

**Security**
- Physical: No physical controls
- Electronic: Monitoring of communication, power and loudspeakers

**Warranty**
- 5 years; see LogiSon® Product Warranty for details

**Certifications**
- Meets UL, CE, ACMA (C-Tick) and FCC standards and is approved for use in air-handling plenums; RoHS compliant

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A LogiSon Representative will design the system and select the components. Technical specifications are subject to change without notice.
Primary Power Hubs are typically mounted to the deck or another approved structure within the ceiling and a loudspeaker is suspended from each one. The Primary Power Hub features communication technology, Digital Signal Processing (DSP) truly random masking sound generation, a 1/3-octave masking equalizer, a 1/1-octave paging equalizer, an amplifier, independent volume controls for masking and paging, and multiplexed paging selection. This high level of component integration eliminates the need for centrally-located audio equipment. The hub also performs unique power and loudspeaker monitoring functions. In addition, the Primary Power Hub provides a power input.

**Power**

According to codes in most regions, a Class 2 power supply must be used with a sound masking system or the cable carrying power requires conduit. Several Class 2 options are available for use with the LogiSon Acoustic Network. For more information, see the Power Supplies section of this catalogue or speak to your LogiSon Representative.

The Primary Power Hub is also available in charcoal grey.

### SPECIFICATIONS

**Power**

According to codes in most regions, a Class 2 power supply must be used with a sound masking system or the cable carrying power requires conduit. Several Class 2 options are available for use with the LogiSon Acoustic Network. For more information, see the Power Supplies section of this catalogue or speak to your LogiSon Representative.

The Primary Power Hub is also available in charcoal grey.

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**Primary Power Hub**

**PNH-2P**

While otherwise identical to the Primary Network Hub (PNH-2), the Primary Power Hub provides an input that is used to connect a Class 2 power supply to the system with plenum-rated 2-conductor cabling.

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Primary Power Hubs are typically mounted to the deck or another approved structure within the ceiling and a loudspeaker is suspended from each one. The Primary Power Hub features communication technology, Digital Signal Processing (DSP) truly random masking sound generation, a 1/3-octave masking equalizer, a 1/1-octave paging equalizer, an amplifier, independent volume controls for masking and paging, and multiplexed paging selection. This high level of component integration eliminates the need for centrally-located audio equipment. The hub also performs unique power and loudspeaker monitoring functions. In addition, the Primary Power Hub provides a power input.

**SPECIFICATIONS**

**Masking Performance**

<table>
<thead>
<tr>
<th>Sound Generation</th>
<th>Digital Signal Processor (DSP), truly random (nondeterministic)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume</td>
<td>35 to 85 dBA @ 1 m in 0.5 dBA steps + mute</td>
</tr>
<tr>
<td>Equalization (w/ PC)</td>
<td>1/3-octave, 23 bands, 63 to 10,000 Hz</td>
</tr>
</tbody>
</table>

**Paging Performance**

<table>
<thead>
<tr>
<th>Zone Configuration</th>
<th>Zone 1, 2, 3 or none</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume</td>
<td>35 to 85 dBA @ 1 m in 0.5 dBA steps + mute</td>
</tr>
<tr>
<td>Equalization (w/ PC)</td>
<td>1/1-octave, 8 bands</td>
</tr>
</tbody>
</table>

**Timer Performance**

Zoning and events set using Network Control Panel or Acoustic Network Manager Software

**Components per Hub**

<table>
<thead>
<tr>
<th>Number of SNH-1</th>
<th>0 to 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Loudspeakers</td>
<td>1 to 3</td>
</tr>
</tbody>
</table>

**Connections**

<table>
<thead>
<tr>
<th>Power Input</th>
<th>2-pin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network Input</td>
<td>6-pin</td>
</tr>
<tr>
<td>Network Output</td>
<td>6-pin</td>
</tr>
<tr>
<td>SNH Output</td>
<td>2-pin x 2</td>
</tr>
<tr>
<td>Loudspeaker Output</td>
<td>2-pin</td>
</tr>
</tbody>
</table>

**Cabling**

<table>
<thead>
<tr>
<th>PNH to PNH</th>
<th>CA6 series cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>PNH to SNH</td>
<td>CA2 series cable</td>
</tr>
</tbody>
</table>

**Power**

Input: 30VDC

Consumption: 3.6 W at typical settings; 6.4 W at maximum settings

**Integrated Amplifier**

5 W

**Physical Specifications**

<table>
<thead>
<tr>
<th>Dimensions (W x H)</th>
<th>13.0 x 4.5 cm; 5.1 x 1.75 inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure</td>
<td>Plenum-rated resin</td>
</tr>
<tr>
<td>Color</td>
<td>White or charcoal grey</td>
</tr>
<tr>
<td>Weight</td>
<td>0.2 kg; 0.4 lb</td>
</tr>
</tbody>
</table>

**Mounting**

Flexible mounting options; see LogiSon® Installation Manual

**Security**

Physical: No physical controls

Electronic: Monitoring of communication, power and loudspeakers

**Warranty**

5 years; see LogiSon® Product Warranty for details

**Certifications**

Meets UL, CE, ACMA (C-Tick) and FCC standards and is approved for use in air-handling plenums; RoHS compliant
The Primary Accessory Hub is also available in charcoal grey.

Primary Accessory Hubs are typically mounted to the deck or another approved structure within the ceiling and a loudspeaker is suspended from each one. The Primary Accessory Hub features communication technology, Digital Signal Processing (DSP) truly random masking sound generation, a 1/3-octave masking equalizer, a 1/1-octave paging equalizer, an amplifier, independent volume controls for masking and paging, and multiplexed paging selection. This high level of component integration eliminates the need for centrally-located audio equipment. The hub also performs unique power and loudspeaker monitoring functions. In addition, the Primary Accessory Hub provides an accessory input.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th><strong>Masking Performance</strong></th>
</tr>
</thead>
</table>
| Sound Generation | Digital Signal Processor (DSP), truly random (nondeterministic)  
Volume | 35 to 85 dBA @ 1 m in 0.5 dBA steps + mute  
Equalization (w/ PC) | 1/3-octave, 23 bands, 63 to 10,000 Hz  

<table>
<thead>
<tr>
<th><strong>Paging Performance</strong></th>
</tr>
</thead>
</table>
| Zone Configuration | Zone 1, 2, 3 or none  
Volume | 35 to 85 dBA @ 1 m in 0.5 dBA steps + mute  
Equalization (w/ PC) | 1/1-octave, 8 bands,  

<table>
<thead>
<tr>
<th><strong>Timer Performance</strong></th>
</tr>
</thead>
</table>
| Zoning and events set using Network Control Panel or Acoustic Network Manager Software  

<table>
<thead>
<tr>
<th><strong>Components per Hub</strong></th>
</tr>
</thead>
</table>
| Number of SNH-1 | 0 to 2  
Number of Loudspeakers | 1 to 3  

<table>
<thead>
<tr>
<th><strong>Connections</strong></th>
</tr>
</thead>
</table>
| Accessory Input | 6-pin  
Network Input | 6-pin  
Network Output | 6-pin  
SNH Output | 2-pin x 2  
Loudspeaker Output | 2-pin  

<table>
<thead>
<tr>
<th><strong>Cabling</strong></th>
</tr>
</thead>
</table>
| PNH to PNH | CA6 series cable  
PNH to SNH | CA2 series cable  

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<tr>
<th><strong>Power</strong></th>
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</table>
| Input | 30VDC  
Consumption | 3.6 W at typical settings; 6.4 W at maximum settings  

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<tr>
<th><strong>Integrated Amplifier</strong></th>
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</thead>
</table>
| 5 W  

<table>
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<tr>
<th><strong>Physical Specifications</strong></th>
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</table>
| Dimensions (W x H) | 13.0 x 4.5 cm; 5.1 x 1.75 inches  
Enclosure | Plenum-rated resin  
Color | White or charcoal grey  
Weight | 0.2 kg, 0.4 lb  

<table>
<thead>
<tr>
<th><strong>Mounting</strong></th>
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</thead>
</table>
| Flexible mounting options; see LogiSon® Installation Manual  

<table>
<thead>
<tr>
<th><strong>Security</strong></th>
</tr>
</thead>
</table>
| Physical | No physical controls  
Electronic | Monitoring of communication, power and loudspeakers  

<table>
<thead>
<tr>
<th><strong>Warranty</strong></th>
</tr>
</thead>
</table>
| 5 years; see LogiSon® Product Warranty for details  

<table>
<thead>
<tr>
<th><strong>Certifications</strong></th>
</tr>
</thead>
</table>
| Meets UL, CE, ACMA (C-Tick) and FCC standards and is approved for use in air-handling plenums; RoHS compliant

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*A LogiSon Representative will design the system and select the components. Technical specifications are subject to change without notice.*
The Secondary Network Hub is also available in charcoal grey.

Secondary Network Hubs are typically mounted to the deck or another approved structure within the ceiling. A loudspeaker is suspended from each one. Each Secondary Network Hub replicates the settings of the Primary Hub to which it is connected.

Up to two Secondary Network Hubs can be connected to each Primary Hub, offering zones that are 1 to 3 loudspeakers in size. This small zone size and fine control over settings allows the LogiSon Acoustic Network's masking sound to be tuned to accommodate local needs, ensuring that it’s both effective and unobtrusive across the entire space.

Small Zones & Fine Control
Acoustic conditions and occupant needs are different for private offices, meeting rooms, corridors and reception areas, as well as across open plans. A sound masking system’s ability to deal with these differences is determined by the size of its adjustment zones as well as the volume and frequency control it provides within each one.

Up to two Secondary Network Hubs can be connected to each Primary Hub, making the LogiSon Acoustic Network’s adjustment zones between 1 and 3 loudspeakers in size (225 to 675 ft²). Each zone offers 100 volume steps in 0.5 dBA increments and 1/3-octave frequency control.

Hubs and loudspeakers suspended in an open ceiling.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Output Performance</th>
<th>Masking, paging and timer inherited from Primary Hub</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components per Hub</td>
<td>1 loudspeaker</td>
</tr>
<tr>
<td>Connections</td>
<td></td>
</tr>
<tr>
<td>Signal Input / Output</td>
<td>2-pin x 2</td>
</tr>
<tr>
<td>Loudspeaker Output</td>
<td>2-pin</td>
</tr>
<tr>
<td>Cabling</td>
<td></td>
</tr>
<tr>
<td>PNH to SNH</td>
<td>CA2 series cable</td>
</tr>
<tr>
<td>SNH to SNH</td>
<td>CA2 series cable</td>
</tr>
<tr>
<td>Power</td>
<td>0 W</td>
</tr>
<tr>
<td>Physical Specifications</td>
<td></td>
</tr>
<tr>
<td>Dimensions (W x H)</td>
<td>13.0 x 4.5 cm; 5.1 x 1.75 inches</td>
</tr>
<tr>
<td>Enclosure</td>
<td>Plenum-rated resin</td>
</tr>
<tr>
<td>Color</td>
<td>White or charcoal grey</td>
</tr>
<tr>
<td>Weight</td>
<td>0.2 kg; 0.4 lb</td>
</tr>
<tr>
<td>Mounting</td>
<td>Flexible mounting options; see LogiSon® Installation Manual</td>
</tr>
<tr>
<td>Security</td>
<td>No physical controls</td>
</tr>
<tr>
<td>Warranty</td>
<td>5 years; see LogiSon® Product Warranty for details</td>
</tr>
<tr>
<td>Certifications</td>
<td>Meets UL, CE, ACMA (C-Tick) and FCC standards and is approved for use in air-handling plenums; RoHS compliant</td>
</tr>
</tbody>
</table>

The Secondary Network Hub is also available in charcoal grey.

A LogiSon Representative will design the system and select the components. Technical specifications are subject to change without notice.
The LogiSon Acoustic Network loudspeakers are typically installed upward-facing, above the ceiling tiles. The indirect transmission of the masking sound results in broad, uniform coverage (see diagram to the right).

Though sound masking loudspeakers can also be installed in a downward-facing fashion (sometimes referred to as 'direct field'), we recommend this only in very limited circumstances. Downward-facing loudspeakers are prone to significant volume variations due to a ‘spotlight’ effect. Volume variations between loudspeakers can call occupants’ attention to the masking sound and also reveal its source, which is contrary to the user’s goals.

Furthermore, if the downward-facing loudspeakers are installed in an area with a suspended ceiling, multiple cut-throughs are required. In-plenum loudspeakers are installed invisibly above the ceiling tiles and will not damage them.

A loudspeaker is suspended from a hub and used to broadcast masking, paging and/or music. The LA-1 model is very flexible and used throughout most LogiSon Acoustic Network installations. The custom clip allows the length of chain to be adjusted without tools. Slack cable retracts into the enclosure, ensuring tidy installation. The full-range driver provides output exceeding the typical masking spectrum of 100 to 5,000 Hz, including the lower frequencies needed for comfort.

### Specifications

<table>
<thead>
<tr>
<th>Audio Performance</th>
<th>Masking Output</th>
<th>87 dBA maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paging Output</td>
<td>87 dBA maximum</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driver Specifications</th>
<th>Frequency Range</th>
<th>90 to 10,500 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimension</td>
<td>10.1 cm; 4 inches</td>
<td></td>
</tr>
<tr>
<td>Power Handling</td>
<td>25 W (RMS)</td>
<td></td>
</tr>
<tr>
<td>Sensitivity</td>
<td>88.6 dBA @ 1W / 1m</td>
<td></td>
</tr>
<tr>
<td>Magnet Structure</td>
<td>510 g; 18 oz</td>
<td></td>
</tr>
<tr>
<td>Impedance</td>
<td>16 ohms</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Connections</th>
<th>Loudspeaker Input</th>
<th>2-pin</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Cabling</th>
<th>Loudspeaker to Hub</th>
<th>Integrated cable assembly</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Physical Specifications</th>
<th>Dimensions (W x H)</th>
<th>16.5 x 9.0 cm; 6.5 x 3.5 inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure</td>
<td>Plenum-rated resin</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>White or charcoal grey</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>0.95 kg; 2.1 lbs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mounting</th>
<th>Method</th>
<th>Suspend from hub or from deck</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chain Length</td>
<td>61 cm; 24 inches</td>
<td></td>
</tr>
<tr>
<td>Chain Adjustment</td>
<td>Tool-free clip</td>
<td></td>
</tr>
<tr>
<td>Loudspeaker Orientation</td>
<td>Upwards; tool-free reversibility to downwards if necessary</td>
<td></td>
</tr>
<tr>
<td>Cable Management</td>
<td>Slack retracts into enclosure</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Warranty</th>
<th>5 years; see LogiSon® Product Warranty for details</th>
</tr>
</thead>
</table>

| Certifications | Meets UL, CE and FCC standards and is approved for use in air-handling plenums; RoHS compliant |

A LogiSon Representative will design the system and select the components. Technical specifications are subject to change without notice.
The CMA-1 is used when the loudspeaker must be installed in gypsum or another hard ceiling material. A downward-facing loudspeaker (sometimes called ‘direct field’) is only used when installation conditions require because the masking sound’s dispersion and uniformity will be reduced.

When the loudspeaker must be installed in a gypsum or other hard ceiling, the hub is attached to the loudspeaker and lowered into the adapter ring, which has been mounted to the ceiling. A steel back plate offers support.

The above photo shows the CMA-1 installed in the ceiling.

If the client prefers to avoid having the loudspeaker visible in the ceiling, in many cases the hub can be connected to a transducer rather than to a loudspeaker. The transducer transfers the masking sound to the ceiling. Ask your LogiSon Representative for specifications.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Physical Specifications</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Faceplate Diameter</td>
<td>22 cm; 8.7 inches</td>
</tr>
<tr>
<td>Depth</td>
<td>2.8 cm; 1.1 inches</td>
</tr>
<tr>
<td>Material</td>
<td>Resin</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Weight</td>
<td>0.1 kg; 0.2 lb</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mounting</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Attachment to Loudspeaker</td>
<td>Lay-in (with option for screw attachment)</td>
</tr>
<tr>
<td>Cut-Through Diameter</td>
<td>17.2 cm; 6.8 inches</td>
</tr>
<tr>
<td>Suspension to Ceiling</td>
<td>3-point suspension</td>
</tr>
<tr>
<td>Bolt Size for Suspension</td>
<td>8-32 x 2.5 inches</td>
</tr>
<tr>
<td>Backup Suspension</td>
<td>Additional suspension option from d-ring on hub</td>
</tr>
</tbody>
</table>

| Warranty                                    | 5 years; see LogiSon® Product Warranty for details |

* For loudspeaker specifications, refer to the Loudspeaker (LA-1) section of this catalogue.
The Loudspeaker (LA-1) already meets UL 2043 Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces. The LA-ICH model — dubbed the 'Chicago Loudspeaker' — is installed in regions where building code requires conduit to be used in any case.

A loudspeaker is suspended from a hub and used to broadcast masking, paging and/or music. The LA-ICH model and the junction box used to house the hub were designed to meet Chicago’s stringent requirements. The enclosure and junction box are made of steel. The cabling is contained within Flexible Metal Tubing (fMT) listed for use in plenums and other air handling spaces. Where it enters the enclosure, this specialized conduit terminates in a one-piece zinc connector fitted with a rubberized polymer gasket, forming the smoke-tight seal required by the NEC. The junction box is also sealed. A flame retardant fabric located below the speaker grille prevents the accumulation of dust.

SPECIFICATIONS

**Audio Performance**
- Masking Output: 87 dBA maximum
- Paging Output: 87 dBA maximum

**Driver Specifications**
- Frequency Range: 90 to 10,500 Hz
- Dimension: 10.1 cm; 4 inches
- Power Handling: 25 W (RMS)
- Sensitivity: 88.6 dBA @ 1W / 1m
- Magnet Structure: 510 g; 18 oz
- Impedance: 16 ohms

**Connections**
- Loudspeaker Input: 2-pin

**Cabling**
- Loudspeaker to Hub: Integrated cable assembly in fMT

**Physical Specifications**
- Dimensions (W x H): 15.2 x 15.8 cm; 6 x 6.2 inches
- Enclosure: Electroplated steel housing, 26 gauge
- Weight: 1.52 kg; 3.36 lbs including FMT and chain

**Mounting**
- Method: Suspend from hub
- Chain Length: 45.7 cm; 18 inches
- Loudspeaker Orientation: Upwards facing

**Junction Box for Hub**
- Dimensions (W x H): 15.2 x 15.8 cm; 6 x 6.2 inches
- Material: Electroplated steel housing, 26 gauge
- Gasket: Neoprene / EPDM / SBR
- Knockouts: 5 knockouts; 0.086 inches for ¾-inch conduit; 1.125 inches for 1-inch conduit
- Weight: 756 g; 1.6 lbs, not including hub

**Warranty**
- 5 years; see LogiSon® Product Warranty for details

**Certifications**
- Meets UL, CE and FCC standards and is approved for use in air-handling plenums; RoHS compliant

* For hub specifications, refer to the appropriate section(s) of this catalogue.
A loudspeaker is connected to a hub and used to broadcast masking, paging and/or music. The LA-1LP model has been engineered for underfloor and low-profile plenum installations.

Four 3-inch, full-range drivers (100 to 8,000 Hz ± 6 dB) are mounted at 90 degree angles for uniform 360° masking dispersion. The drivers are directed 53 degrees from vertical in order to avoid the creation of standing waves and maintain more localized sound distribution compared to horizontally-directed drivers.

The speaker is housed in a durable, sealed steel enclosure that may be bolted directly to the ceiling or floor deck. In underfloor applications, the loudspeaker may be secured to the raised floor support. Four rubber feet prevent vibration from transmitting to the floor deck.

**SPECIFICATIONS**

**Audio Performance**
- Masking Output: 87 dBA maximum
- Paging Output: 87 dBA maximum

**Driver Specifications**
- Frequency Range: 100 to 8,000 Hz ± 6 dB
- Dimension: 7.6 cm; 3 inches
- Power Handling: 10 W (RMS)
- Sensitivity: 84.2 dBA @ 1W / 1m
- Magnet Structure: 58 g; 2.05 oz
- Impedance: 16 ohms

**Connections**
- Loudspeaker Input: 2-pin

**Cabling**
- Loudspeaker to Hub: Integrated cable assembly

**Physical Specifications**
- Dimensions (W x H): 21.6 x 8.1 cm; 8.5 x 3.2 inches
- Enclosure: Metal
- Color: White
- Weight: 1.72 kg; 3.81 lbs

**Mounting**
- Bolted directly to the ceiling or floor deck

**Warranty**
- 5 years; see LogiSon® Product Warranty for details

**Certifications**
- Meets UL, CE and FCC standards and is approved for use in air-handling plenums; RoHS compliant

The LA-1LP model is designed for use in low-profile plenum installations. However, it can also be used under raised raised flooring.

**Under Floor Installation**

The LA-1LP can be installed in a grid-like pattern beneath a raised floor. However, because installing in this location compromises a sound masking system’s performance – and rules out using the system for paging/music distribution – it should only be considered if the client absolutely cannot install their system in the ceiling space. If no other option is available, only the LogiSon Acoustic Network will provide the tuning flexibility and ease of future reconfiguration these installation conditions demand.
A loudspeaker is connected to a hub and used to broadcast masking, paging and/or music. The LA-IWM model can be mounted on the wall in a vertical or horizontal orientation. A swivel bracket allows the loudspeaker to be positioned in the desired direction.

### SPECIFICATIONS

#### Audio Performance
- Masking Output: 81 dBA maximum
- Paging Output: 81 dBA maximum

#### Driver Specifications
- Frequency Range: 100 to 10,000 Hz
- Dimension: 7.6 cm; 3 inches
- Power Handling: 10 W (RMS)
- Sensitivity: 84.2 dBA @ 1W / 1m
- Magnet Structure: 58 g; 2.05 oz
- Impedance: 16 ohms

#### Connections
- Loudspeaker Input: 2-pin

#### Cabling
- Loudspeaker to Hub: Integrated cable assembly

#### Physical Specifications
- Dimensions (W x H x L): 12 x 11 x 24.5 cm; 4.7 x 4.3 x 9.7 inches
- Enclosure: Metal and plastic
- Color: White
- Weight: 0.91 kg; 2 lb

#### Mounting
- Swivel bracket for wall mounting

#### Warranty
- 5 years; see LogiSon® Product Warranty for details

#### Certifications
- Meets UL, CE and FCC standards; RoHS compliant
The LogiSon Acoustic Network is also a versatile paging and music system. Simply install an Audio Input Module in the Network Control Panel and connect a source, such as a telephone or MP3 player. Clients can have areas with masking only, paging only or a combination – all within a single system.

Audio Input Modules are used to connect paging and/or music sources to the Network Control Panel. They offer analog to digital conversion and automatically adjust for input sensitivity. Each panel accepts any combination of three inputs: Auxiliary, Microphone and Telephone.

The paging and music functions play over the same set of loudspeakers as the sound masking, but their zoning and settings are independent, so you never have to compromise. The amplification and equalization technology is already integrated into the hubs, reducing the cost, energy and space typically needed for audio equipment.

Whereas most systems limit paging to a small number of predefined zones, the LogiSon Acoustic Network’s zoning is digital, not hardwired. Users can create customized zones whenever and wherever required using Page Director Software. Changes can be made within minutes.

The system also features a Priority Page Override, which can be programmed to mute the masking during emergencies.


**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Module</th>
<th>Input Impedance</th>
<th>Input Level</th>
<th>Input Sensitivity</th>
<th>Gain</th>
<th>Frequency Response</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Auxiliary</strong></td>
<td>100 kohm</td>
<td>10 V maximum</td>
<td>300 mV for maximum output</td>
<td>Maximum 20 dB, adjustable in thirty two 1 db steps</td>
<td>20 to 10,000 Hz</td>
</tr>
<tr>
<td><strong>Microphone</strong></td>
<td>600 ohm</td>
<td>30 mV maximum</td>
<td>1 mV for maximum output</td>
<td>Maximum 70 dB, adjustable in thirty two 1 db steps</td>
<td>20 to 10,000 Hz</td>
</tr>
<tr>
<td><strong>Telephone</strong></td>
<td>600 ohm</td>
<td>10 V maximum</td>
<td>300 mV for maximum output</td>
<td>Maximum 20 dB, adjustable in thirty two 1 db steps</td>
<td>20 to 10,000 Hz</td>
</tr>
</tbody>
</table>

**Warranty**

5 years; see LogiSon® Product Warranty for details

**Certifications**

Meets UL, CE, ACMA (C-Tick) and FCC standards; RoHS compliant
Page Director allows the user to create, alter or delete an unlimited number of page zones on demand. Because of its function, this software is typically installed at a reception desk. It is designed to work with multiple Network Control Panels, allowing virtually unlimited control over any number of floors or buildings.

Paging is possible at a single loudspeaker location or over any given range of loudspeakers. It is also easy to create an ‘All Call’ zone for a facility, floor or department.

The user can select the desired loudspeakers, name the zone and enter a description for future reference (e.g. Meeting Room, Floor 1). They can sort paging zones into user-defined categories and subcategories for easy accessibility. The interface also provides a means to quickly search for a predefined zone. The software offers backup and restore functions for zones and settings.

The user can select one of three Audio Input Modules to use for each page, such as a microphone. If only one device is available, the software selects it by default. The user can manually end the page or set it to finish automatically, after which the system returns to its default settings.

For more information, see the LogiSon® Page Director User Manual. The application also includes a help file and user guide.

**SPECIFICATIONS**

**Supported Operating Systems**
- Windows 10
- Windows 8/8.1 Pro
- Windows 7
- Windows Vista with Service Pack 2 or later

**Supported Architectures**
- X86
- X64

**Hardware Requirements**
- Computer with 1 GHz or faster processor with 1 GB RAM or more
- Graphics parts supporting WDDM drivers (Windows Display Driver Model) recommended
- Minimum disk space (Microsoft components/Installation): X86 – 850 MB X64 – 2 GB
- Disk space (LogiSon components): 5 MB

**Prerequisites**
- Windows Installer 3.1 or later
- Internet Explorer 6.0 or later
- Microsoft .NET Framework 4 or later (included with Windows 8 or later)
The Network Control Panel can monitor communication, power, loudspeakers and an input such as a Fail-Safe Power Solution. If an alarm is triggered at the Network Control Panel and a Relay Output Module is installed, the contact closes, activating a third party device connected to it in order to alert the administrator. This contact closure will still activate, even if power is lost to the LogiSon Acoustic Network.

The administrator can also elect to receive email notification via the Acoustic Network Supervisor Software.

For more information about the LogiSon Acoustic Network’s security features, see the Network Control Panel and Acoustic Network Supervisor Software sections of this catalogue or speak to your LogiSon Representative. Also see the LogiSon® Relay Output Module User Manual.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Relay Output</th>
<th>0.5 A at 125 VAC; 1 A at 24 VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warranty</td>
<td>5 years; see LogiSon® Product Warranty for details</td>
</tr>
<tr>
<td>Certifications</td>
<td>Meets UL, CE, ACMA (C-Tick) and FCC standards; RoHS compliant</td>
</tr>
</tbody>
</table>

**Additional Security Features**

The LogiSon Acoustic Network can be used to protect verbal communications from eavesdropping and electronic surveillance.

This benefit can be augmented by connecting the system to transducers that transfer the masking sound to physical structures such as windows, doors, ducts, pipes and walls, impeding the use of audio surveillance equipment.

Each transducer’s volume and frequency can be modified to ensure that they are appropriate for the surface to which it is applied.

The randomness of the masking sound makes it exceedingly difficult to filter and the components cannot be modified to act as listening devices.

**Applications Include**

- R&D facilities
- Corporate boardrooms
- Government facilities
- Military facilities
- Police stations
- Military contractors
- Law firms
- Courts
- Temporary facilities
Acoustic Network Supervisor runs as a Windows Service, which monitors the LogiSon Acoustic Network to ensure that the system is 100 percent operational 24/7. The administrator can configure it to monitor only the Network Control Panel(s) or all of the system’s components. If an issue occurs, the software sends an email so that it can be quickly addressed. Because it monitors externally from the LogiSon Acoustic Network hardware, a hardware failure will not impact its ability to send these alerts.

The administrator defines the intervals at which the system should be checked, from as often as every two minutes up to as long as twenty-four hours. The administrator also defines to whom notification should be sent if an event occurs – for example, to the facility manager, IT personnel and the LogiSon Representative. The administrator can add a unique name (e.g. facility name) to the email, providing a means of identifying individual locations if it is sent to a remote recipient or one who is monitoring several facilities or floors for various tenants. They can also add vendor information to inform the recipient who to contact.

The software can be configured not to send emails in the event of client network outages and can send a start-up message when monitoring resumes. Alive notifications can be enabled to inform recipients that the application is running.

For more information, see the LogiSon® Acoustic Network Supervisor User Manual. The application also includes a help file and user guide.

**SPECIFICATIONS**

**Supported Operating Systems**
- Windows 10
- Windows 8/8.1 Pro
- Windows 7
- Windows Vista with Service Pack 2 or later
- Windows Server 2003 SP2 or later
- Windows Server 2008 R2 (not supported on Server Core Role)
- Windows Server - Later servers include newer framework versions

**Supported Architectures**
- x86
- x64

**Hardware Requirements**
- Computer with 1 GHz or faster processor with 1 GB RAM or more
- Graphics parts supporting WDDM drivers (Windows Display Driver Model) recommended
- Minimum disk space (Microsoft components/Installation):
  - X86 – 850 MB
  - X64 – 2 GB
- Disk space (LogiSon components): 5 MB

**Prerequisites**
- Windows Installer 3.1 or later
- Internet Explorer 6.0 or later
- Microsoft .NET Framework 4 or later (included with Windows 8 or later)
CABLE ASSEMBLIES + COUPLERS
CA2, CA6, CC2, CC6

The LogiSon Acoustic Network is installed without hard-wiring timer, keypad, paging and music zones, because all zones are software-generated. Minimal cabling ensures efficient installation and a clean appearance in visible applications.

A single line of plenum-rated, low-voltage cable connects the components, carrying power, control and audio signals across the LogiSon Acoustic Network.

The 2-conductor cables are available in 5, 18, 25 and 50 foot lengths (1.5, 5.5, 7.6 and 15.2 meters). The 6-conductor cables are available in 5, 18, 25, 50 and 100 foot lengths (1.5, 5.5, 7.6, 15.2 and 30.4 meters).

Cabling connections are marked with embossed icons on the hubs. Positive-locking mechanisms prevent accidental disconnection.

Cable Couplers are used to connect two Cable Assemblies together when a longer length is required. They are available in both 2- (CC2) and 6-conductor (CC6) sizes.

All Cable Assemblies and Cable Couplers feature micro-connectors that simply snap together, enabling quick, accurate and tidy installation.

The Cable Assemblies and Cable Couplers are also available in charcoal grey.

SPECIFICATIONS

Physical Specifications

<table>
<thead>
<tr>
<th>Lengths</th>
<th>CA2-5</th>
<th>5 ft; 1.5 m</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CA2-18</td>
<td>18 ft; 5.5 m</td>
</tr>
<tr>
<td></td>
<td>CA2-25</td>
<td>25 ft; 7.6 m</td>
</tr>
<tr>
<td></td>
<td>CA2-50</td>
<td>50 ft; 15.2 m</td>
</tr>
<tr>
<td></td>
<td>CA6-5</td>
<td>5 ft; 1.5 m</td>
</tr>
<tr>
<td></td>
<td>CA6-18</td>
<td>18 ft; 5.5 m</td>
</tr>
<tr>
<td></td>
<td>CA6-25</td>
<td>25 ft; 7.6 m</td>
</tr>
<tr>
<td></td>
<td>CA6-50</td>
<td>50 ft; 15.2 m</td>
</tr>
<tr>
<td></td>
<td>CA6-100</td>
<td>100 ft; 30.4 m</td>
</tr>
</tbody>
</table>

Connectors

2- and 6-pin over-molded micro-connectors featuring orientation guides and positive-lock mechanism

Gauge

20 AWG

Material

Copper stranded

Color

White or charcoal grey

Warranty

5 years; see LogiSon® Product Warranty for details

Certifications

Meets UL, CE and FCC standards and is approved for use in air-handling plenums; RoHS compliant

A LogiSon Representative will design the system and select the components. Technical specifications are subject to change without notice.
**SPECIFICATIONS**

**Electrical Performance**
- Input Voltage: Min 90 VAC; Max 264 VAC
- Input Frequency: Min 47 Hz; Max 63 Hz
- Output Voltage: 30 VDC
- Output Power Range: Min 0 W; Max 80 W
- Efficiency: Min 75%; Max 88%

**Connections**
- Input: IEC-320-C14 for worldwide applications
- Output: Stripped and tinned wires

**Physical Specifications**
- Dimensions (W x H x D): 7.9 x 16.8 x 4.64 cm; 3.1 x 6.63 x 1.83 inches
- Color: Black
- Weight: 0.680 kg; 1.5 lbs
- Control: On/off switch

**Mounting**
- Wall mount bracket; height with bracket is 20.1 cm; 7.9 inches

**Warranty**
- 5 years; see LogiSon® Product Warranty for details

**Certifications**
- Meets UL, C-UL, TUV, CE, ACMA (C-Tick) and FCC standards; RoHS compliant; UL Energy Efficiency Certified

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**Fail-Safe Power Solutions (FPS 120, FPS 250, FPS 500)** with the following features are also available:

- **Power redundancy:** If one of the power supplies fails, the redundant power supply provides enough power to continue running a full load, ensuring uninterrupted operation of the LogiSon Acoustic Network.
- **Power load sharing:** Each power supply shares the power load. As a result, the life of each power supply is increased.
- **Automatic fault detection:** If an error occurs in one of the power supplies, relay outputs detect the condition and open/close a contact.
- **Overcurrent and overvoltage protection:** In the event of a power overload, the power supply limits the output current.

Ask your LogiSon Representative for spec sheets.

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A LogiSon Representative will design the system and select the components. Technical specifications are subject to change without notice.
Your Networked Solution

for Speech Privacy and Noise Control