

## HCS-8600KMx Congress Gigabit Network Switcher



### Ordering Information

HCS-8600KMx.....Congress Gigabit Network Switcher  
(for paperless multimedia congress terminal)

### Functions

- Based on TAIDEN originated GMC-STREAM Gigabit Multimedia Congress Stream technology
- Sync power on/off with the Congress Main Unit
- Built-in PoE switch to choose way of power supply:
  - ON: connecting DELEGATE port to HCS-8368/86\*\* tabletop congress terminals or the Distributor HCS-8368T(/50) for power supply and transmission of control data and multimedia data
  - OFF: DELEGATE port supporting daisy-chain connection to Paperless Multimedia Congress Terminal with power supply via 3 2P aviation plugs

### Interconnections

- 1 × RJ45 standard port for connection with Ethernet switcher
- 5 × RJ45 standard port for connection with HCS-8368/86\*\* Series Paperless Multimedia Congress Terminal (via Cat.5e/Cat.6 cable)
- 2 × 8P-DIN interface for connection with the Congress Main Unit or cascading to another HCS-8600KMx (equipped with CBL8PP-01 - 1-meter 8-pin extension cable with two plugs)
- 3 × 2P aviation plug for supplying power to paperless Multimedia Congress Terminal (equipped with CBL4PK-01 - 1-meter power adapter cable)

### Technical Specifications

#### Electrical

Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz  
 Power output.....four power outputs, each output 48V DC, 3A  
 Power consumption.....350 W

#### Mechanical

Mounting.....Tabletop or mounted in a 19" rack  
 Dimensions (h × w × d)  
 For table use, with feet.....50 × 480 × 288 mm  
 For 19" rack use.....45 × 480 × 288 mm  
 Weight.....3.6 kg  
 Color.....Black (PANTONE 419 C)

## HCS-8600MEA2 Congress Extension Main Unit



The maximum capacity of HCS-8600M series CMU is limited. If extra contribution units are needed, HCS-8600MEA series Congress Extension Main Unit(s) must be added. The outlet connectors of both are identical. Each HCS-8600MEA has two EXTENSION IN interfaces used to connect HCS-8600M series CMU or a preceding Congress Extension Main Unit, and an EXTENSION OUT interface for the next Congress Extension Main Unit.

### Functions

- Compliant to ISO 22259
- Cooperates with HCS-8600M series Congress Main Unit for system capacity extension
- Based on TAIDEN company originated MCA-STREAM digital audio processing and transmitting technology
- Sync power on/off with the Congress Main Unit
- Dual backup power inputs. In case the main power net malfunctions, the backup power net can take over to ensure an uninterrupted meeting flow
- In cooperation with the Congress Main Unit and a central control system, central control of the whole system power can be realized

### Interconnections

- 5 × (8P-DIN) trunk-line cable outlet
- 2 × RJ45 standard socket (input) for connection with the Congress Main Unit or with a preceding Congress Extension Main Unit
- 1 × RJ45 standard socket (output) for connection with the next Congress Extension Main Unit
- Equipped with two duplex SC single-mode optical fiber interfaces
- Equipped with two power inputs for main input and backup input

### Technical Specifications

#### Electrical

Power supply.....100 V - 240 V AC, 50/60 Hz  
Power consumption.....500 W

#### Mechanical

Mounting.....Tabletop or mounted in a 19" rack  
Dimensions (h × w × d)  
For table use, with feet.....50 × 480 × 288 mm  
For 19" rack use, with brackets.....45 × 480 × 288 mm  
Weight.....3.6 kg  
Color.....Black (PANTONE 419 C)

### Ordering Information

HCS-8600MEA2..... Fully Digital Congress System Extension Main Unit (dual backup power inputs, with 2 single-mode optical fiber interfaces, 5 congress unit outlets)

## **HCS-8600MEA Congress Extension Main Unit**



The maximum capacity of HCS-8600M series CMU is limited. If extra contribution units are needed, HCS-8600MEA series Congress Extension Main Unit(s) must be added. The outlet connectors of both are identical. Each HCS-8600MEA has two EXTENSION IN interfaces used to connect HCS-8600M series CMU or a preceding Congress Extension Main Unit, and an EXTENSION OUT interface for the next Congress Extension Main Unit.

### **Functions**

- Compliant to ISO 22259
- Cooperates with HCS-8600M series Congress Main Unit for system capacity extension
- Based on TAIDEN company originated MCA-STREAM digital audio processing and transmitting technology
- Sync power on/off with the Congress Main Unit
- In cooperation with the Congress Main Unit and a central control system, central control of the whole system power can be realized

### **Interconnections**

- 5 × (8P-DIN) trunk-line cable outlet
- 2 × RJ45 standard socket (input) for connection with the Congress Main Unit or with a preceding Congress Extension Main Unit
- 1 × RJ45 standard socket (output) for connection with the next Congress Extension Main Unit
- Equipped with two duplex SC single-mode optical fiber interfaces

### **Technical Specifications**

#### **Electrical**

Power supply.....100 V - 240 V AC, 50/60 Hz  
 Power consumption.....500 W

#### **Mechanical**

Mounting.....Tabletop or mounted in a 19" rack  
 Dimensions (h × w × d)  
 For table use, with feet.....50 × 480 × 288 mm  
 For 19" rack use, with brackets.....45 × 480 × 288 mm  
 Weight.....3.6 kg  
 Color.....Black (PANTONE 419 C)

### **Ordering Information**

HCS-8600MEA.....Fully Digital Congress System Extension Main Unit (with 2 single-mode optical fiber interfaces, 5 congress unit outlets)

## HCS-8600MES Congress Extension Unit



### Functions

- Based on TAIDEN company originated MCA-STREAM digital audio processing and transmitting technology
- Compliant to ISO 22259
- Cooperates with HCS-8600M or HCS-4800M series Congress Main Unit for system capacity extension
- Sync power on/off with the Congress Main Unit
- In cooperation with the Congress Main Unit and a central control system, central control of the whole system power can be realized

### Interconnections

- 3 × 8P-DIN trunk-line cable outlet, connection cable length should be less than 80 meters
- 1 × 8P-DIN socket (input) for connection with the Congress Main Unit or with a preceding Congress Extension Main Unit, connection cable length should be less than 80 meters
- 1 × 8P-DIN socket (output) for connection with the next HCS-8600MES, connection cable length should be less than 80 meters

### Technical Specifications

#### Electrical

Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz  
 Power consumption.....150 W

#### Mechanical

Dimensions (h × w × d).....42 × 296 × 133 mm  
 Weight.....1.5 kg  
 Color.....Black (PANTONE 419 C)

### Ordering Information

HCS-8600MES.....Fully Digital Congress System Extension Unit  
 (3 congress unit outlets)  
 HCS-8300MES-BKT.....Rack Cabinet Frame (1 HCS-8600MES  
 Extension Unit can be installed)

## HCS-8600MCLS Loop switcher and Cabinet installation accessory



### Functions

- For "Closed Loop - Daisy Chain" connection
- Automatic judgment of the opening or closing of a loop
- Loop switcher open: open indicator on (Red)
- Loop switcher closed: close indicator on (Green)
- When the loop switcher is used, the number of CMU/EMU loads is halved
- Mounting bracket (mounted in a 19" rack) can be chosen

### Interconnections

- RJ45 socket 1 for connection to the congress unit
- RJ45 socket 2 for connection to the CMU or EMU

### Technical Specifications

#### Mechanical

Dimensions (h × w × d).....68 × 100 × 40 mm  
 Weight.....347 g  
 Color.....Black (PANTONE 419 C)

### Ordering Information

HCS-8600MCLS.....Loop switcher  
 HCS-8300MCLS-BKT.....Rack Cabinet Frame  
 (4 HCS-8600MCLS Loop switchers can be installed)  
 HCS-8300MCLS-FC.....Frame Cover

# HCS-8600MIO/16AD

## 16 Channels Audio Input & Output Device



### Functions

- 16 channels digital & analog audio inputs & outputs
- Supports Dante, an uncompressed, multi-channel digital media networking technology, with near-zero latency and synchronization
- With web page control function, parameters can be set through web browser
- Transmits multi digital/analog audio channels to the interpretation channels of the Congress System, for example for remote interpretation purposes or for transmission to floor channel
- All inputs can be mixed with arbitrary ratio, and outputted to any channel
- Converts the digital audio signals of the Congress System to multi channel digital/analog audio signals, for further processing in infrared simultaneous interpretation systems or recording devices
- Output level of each channel adjustable
- Configurable as Sync/Not sync power on/off with Congress Main Unit

### Controls and Indicators

- Graphic 132 × 32 LCD with back-lighting displays input & output channel number and language name, supporting multi-language menu
- Power switch with indicator

### Interconnections

- 16 × 3-pin Phoenix connector for analog audio inputs (balanced)
- 16 × 3-pin Phoenix connector for analog audio outputs (balanced)
- Dante module for 16 channels digital audio transmission
- Duplex SC single-mode optical fiber interface and Extension interface for connection with Congress Main Unit (only one interface can be connected at the same time to the Main Unit)
- Extension interface for connection with the sequencing Congress Extension Main Unit or Audio Input & Output Device
- RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for upgrading system and saving system parameters. Convenient for system maintenance

### Technical Specifications

#### Electrical

Frequency response.....	30 Hz to 20 kHz
SNR.....	>90 dBA
Dynamic range.....	>85 dB
Isolation.....	>90 dB
THD.....	<0.05%
Power supply.....	AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption.....	65 W

#### Max. audio inputs

Analog: 16 × 3-pin Phoenix (Line in).....	+8 dBu
Analog: 16 × 3-pin Phoenix (Mic. in).....	-12 dBu
Digital: Dante.....	1 FFS
Input sensitivity adjustable range.....	-20 dB ~ +10 dB, mute

#### Max. audio outputs

Analog: 16 × 3-pin Phoenix.....	+18 dBu
Digital: Dante.....	1 FFS
Output level adjustable range.....	-30 dB~ +20 dB, mute

#### Mechanical

Mounting.....	Tabletop or mounted in a 19" rack
Dimensions (h × w × d)	
For table use, with feet.....	50 × 480 × 288 mm
For 19" rack use.....	45 × 480 × 288 mm
Weight.....	3.6 kg
Color.....	Black (PANTONE 419 C)

### Ordering Information

HCS-8600MIO/16AD... 16 Channels Audio Input & Output Device  
(16 channels audio inputs & outputs, Dante interface, single-mode optical fiber interface)

# HCS-8600MIO/08A

## 8 Channels Audio Input & Output Device



### Functions

- 8 channels analog audio inputs & outputs
- With web page control function, parameters can be set through web browser
- Transmits multi analog audio channels to the interpretation channels of the Congress System, for example for remote interpretation purposes or for transmission to floor channel
- All inputs can be mixed with arbitrary ratio, and outputted to any channel
- Converts the digital audio signals of the Congress System to multi channel analog audio signals, for further processing in infrared simultaneous interpretation systems or recording devices
- Output level of each channel adjustable
- Configurable as Sync/Not sync power on/off with Congress Main Unit

### Controls and Indicators

- Graphic 132 × 32 LCD with back-lighting displays input & output channel number and language name, supporting multi-language menu
- Power switch with indicator

### Interconnections

- 8 × 3-pin Phoenix connector for analog audio inputs (balanced)
- 8 × 3-pin Phoenix connector for analog audio outputs (balanced)
- Duplex SC single-mode optical fiber interface and Extension interface for connection with Congress Main Unit (only one interface can be connected at the same time to the Main Unit)
- Extension interface for connection with the sequencing Congress Extension Main Unit or Audio Input & Output Device
- RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for upgrading system and saving system parameters. Convenient for system maintenance

### Technical Specifications

#### Electrical

Frequency response.....	30 Hz to 20 kHz
SNR.....	>90 dBA
Dynamic range.....	>85 dB
Isolation.....	>90 dB
THD.....	<0.05%
Power supply.....	AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption.....	65 W

#### Max. audio inputs

Analog: 8 × 3-pin Phoenix (Line in).....	+8 dBu
Analog: 8 × 3-pin Phoenix (Mic. in).....	-12 dBu
Input sensitivity adjustable range.....	-20 dB ~ +10 dB, mute

#### Max. audio outputs

Analog: 8 × 3-pin Phoenix.....	+18 dBu
Output level adjustable range.....	-30 dB~ +20 dB, mute

#### Mechanical

Mounting.....	Tabletop or mounted in a 19" rack
Dimensions (h × w × d)	
For table use, with feet.....	50 × 480 × 288 mm
For 19" rack use.....	45 × 480 × 288 mm
Weight.....	3.6 kg
Color.....	Black (PANTONE 419 C)

### Ordering Information

HCS-8600MIO/08A..... 8 Channels Audio Input & Output Device (8 channels audio inputs & outputs, single-mode optical fiber interface)

# HCS-8600MIO/08D

## 8 Channels Audio Input & Output Device



### Functions

- 8 channels digital audio inputs & outputs
- Supports Dante, an uncompressed, multi-channel digital media networking technology, with near-zero latency and synchronization
- With web page control function, parameters can be set through web browser
- Transmits multi digital audio channels to the interpretation channels of the Congress System, for example for remote interpretation purposes or for transmission to floor channel
- All inputs can be mixed with arbitrary ratio, and outputted to any channel
- Converts the digital audio signals of the Congress System to multi channel digital audio signals, for further processing in infrared simultaneous interpretation systems or recording devices
- Output level of each channel adjustable
- Configurable as Sync/Not sync power on/off with Congress Main Unit

### Controls and Indicators

- Graphic 132 × 32 LCD with back-lighting displays input & output channel number and language name, supporting multi-language menu
- Power switch with indicator

### Interconnections

- Dante module for 8 channels digital audio transmission
- Duplex SC single-mode optical fiber interface and Extension interface for connection with Congress Main Unit (only one interface can be connected at the same time to the Main Unit)
- Extension interface for connection with the sequencing Congress Extension Main Unit or Audio Input & Output Device
- RS232 port for connection to central control system and system diagnosis
- Integrated USB interfaces for upgrading system and saving system parameters. Convenient for system maintenance

### Technical Specifications

#### Electrical

Frequency response.....30 Hz to 20 kHz  
 SNR.....>90 dBA  
 Dynamic range.....>85 dB  
 Isolation.....>90 dB  
 THD.....<0.05%  
 Power supply.....AC 100 V - 240 V, 50 Hz / 60 Hz  
 Power consumption.....65 W

#### Max. audio inputs

Digital: Dante.....1 FFS  
 Input sensitivity adjustable range.....-20 dB ~ +10 dB, mute

#### Max. audio outputs

Digital: Dante.....1 FFS  
 Output level adjustable range.....-30 dB~ +20 dB, mute

#### Mechanical

Mounting.....Tabletop or mounted in a 19" rack  
 Dimensions (h × w × d)  
 For table use, with feet.....50 × 480 × 288 mm  
 For 19" rack use.....45 × 480 × 288 mm  
 Weight.....3.6 kg  
 Color.....Black (PANTONE 419 C)

### Ordering Information

HCS-8600MIO/08D.....8 Channels Audio Input & Output Device  
 (Dante interface, single-mode optical fiber interface)

### Function list

Type No.	Analog input	Analog output	Dante interface	Optical fiber interface
HCS-8600MID/16D	16 channels	16 channels	16 channels	√
HCS-8600MID/08A	8 channels	8 channels		√
HCS-8600MIO/08D			8 channels	√