

E-ink Electronic Nameplate



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- All technical specifications are guideline data and not guaranteed features
- Taiden Co., Ltd. is not responsible for any damage caused by improper use of this manual
- The equipment must be connected to earth!
- This product conforms to the rules of the European directive 2004/108/EC.
- To protect your hearing, avoid high pressure level on earphones. Adjust to a lower and convenient level.
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- **In order to extend the life time of the whole system, we strongly recommend that the congress system be scheduled to shut down every day in the evening when not in use.**

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Chapter 1. Introduction

1.1 Summary

Features

- **Elegant and ergonomic tabletop design with an ultra-thin 8 mm screen**
- **1904 x 464 pixels display**
- **High contrast**
- **Paper like reading - low eye strain**
- **Contents may be permanently displayed after power down**
- **Ultra wide viewing angle**
- **Dramatic energy savings**
- **Double side panel**
- **Optional microphone state indicating light On/Off**
- **USB Type-C Connector**
- **Network port (RJ45), support PoE**
- **Bi-color LED indicator on the top to display request to speak or speaking status**
- **Button on the base for making a request to speak or for another user-defined functionality**
- **Extension port can connect to an external request-to-speak button, IC card reader or fingerprint identification module**
- **For use with TAIDEN conference system:**
 - ◆ Connection in the same system with conference main unit through PoE switch
 - ◆ Power supply from conference unit (e.g. HCS-8668) through USB Type-C connection. Automatically bounded to the conference unit once connected
 - ◆ Display of delegate profile in user-defined layout when bound to a conference unit
- **For stand-alone use:**
 - ◆ PC connected plug-and-play application. Nameplate can be automatically recognized as a USB flash drive so that pictures from PC can be copied to the nameplate for display
 - ◆ Built-in Web Server offers control of nameplates using a standard internet browser
 - ◆ Control all or part nameplates in the network via Nameplate Server
- **Combination with Electronic Nameplate Management Software:**
 - ◆ Users can flexibly set display contents, such as

enterprise logo, conference logo, conference name, name and title of the delegate, which can be displayed on the nameplate when the delegate signs in on the conference unit

- ◆ Contents on the front or rear side of the nameplate can be managed independently, or synchronously
- ◆ Default screen setting is available for pre-meeting display or absence display
- ◆ Microphone state indicating light On/Off setting
- ◆ Controlling of a certain or multiple nameplate display is available after seating is assigned

Product type:

HCS-1082_B

E-ink Electronic Nameplate (tabletop, double screen, 14.74", microphone status indicator, USB connector to HCS-86** series multimedia congress terminal, Nameplate management system needed, black)

HCS-1082_W

E-ink Electronic Nameplate (tabletop, double screen, 14.74", microphone status indicator, USB connector to HCS-86** series multimedia congress terminal, Nameplate management system needed, white)

HCS-1082N_B

E-ink Electronic Nameplate (tabletop, double screen, 14.74", microphone status indicator, USB connector to HCS-86** series multimedia congress terminal, RJ45 connector supports PoE, Nameplate management system or Nameplate server needed, black)

HCS-1082N_W

E-ink Electronic Nameplate (tabletop, double screen, 14.74", microphone status indicator, USB connector to HCS-86** series multimedia congress terminal, RJ45 connector supports PoE, Nameplate management system or Nameplate server needed, white)

HCS-1082S_B

E-ink Electronic Nameplate (tabletop, single screen, 14.74", microphone status indicator, USB connector to HCS-86** series multimedia congress terminal, Nameplate management system needed, black)

HCS-1082S_W

E-ink Electronic Nameplate (tabletop, single screen, 14.74",

microphone status indicator, USB connector to HCS-86** series multimedia congress terminal, Nameplate management system needed, white)

HCS-1082SN_B

E-ink Electronic Nameplate (tabletop, single screen, 14.74", microphone status indicator, USB connector to HCS-86** series multimedia congress terminal, RJ45 connector supports PoE, Nameplate management system or Nameplate server needed, black)

HCS-1082SN_W

E-ink Electronic Nameplate (tabletop, single screen, 14.74", microphone status indicator, USB connector to HCS-86** series multimedia congress terminal, RJ45 connector supports PoE, Nameplate management system or Nameplate server needed, white)

HCS-1082S/FM

E-ink Electronic Nameplate (flush-mounting, single screen, 14.74", microphone status indicator, USB connector to HCS-86** series multimedia congress terminal, Nameplate management system needed, white)

HCS-1082SN/FM

E-ink Electronic Nameplate (flush-mounting, single screen, 14.74", microphone status indicator, USB connector to HCS-86** series multimedia congress terminal, RJ45 connector supports PoE, Nameplate management system or Nameplate server needed, white)

Chapter 2 E-ink Electronic Nameplate

2.1 Functions and instructions

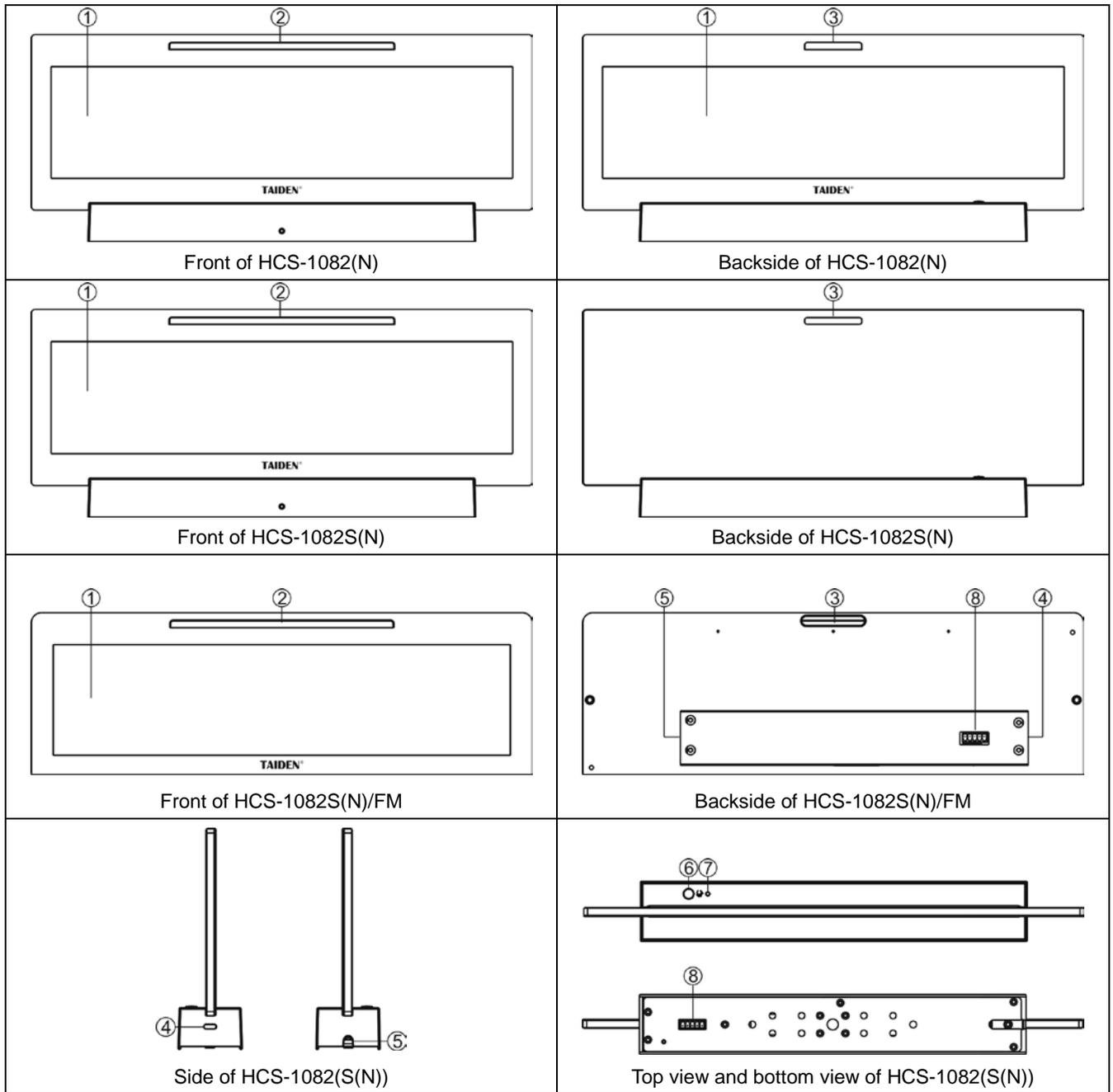


Figure 2.1.1 E-ink nameplate

Figure 2.1.1:

1. E-ink screen

- ◆ Contents may be permanently displayed after power down;
- ◆ HCS-1082(N): double 14.74" screens;
- ◆ HCS-1082S(N): single 14.74" screen;
- ◆ HCS-1082S(N)/FM: single 14.74" screen;
- ◆ Contents can be set by the TAIDEN Electronic Nameplate System.

2 & 3. Microphone state indicator

Work state	Indicating light
Microphone On	Red (on)
First in request list	Green (flash)
Not first in request list	Green (on)

4. USB Type-C connector

- ◆ Connecting to congress terminal via USB cable

5. Cat.5e Cable with RJ45 socket

- ◆ Supports PoE;
- ◆ When wiring, we suggest you to choose a shielded RJ45 plugs.

Note: please select one connection mode from USB or Cat.5e as needed

6. Button for requesting to speak or other user defined function

7. Power indicator

- ◆ Green light is on in active communication;

8. Phoenix extension port

- ◆ Connecting to an external request-to-speak button, IC card reader or fingerprint identification module

2.2 Installation

Special reminder: Please **DO NOT** press on the E-ink screen!

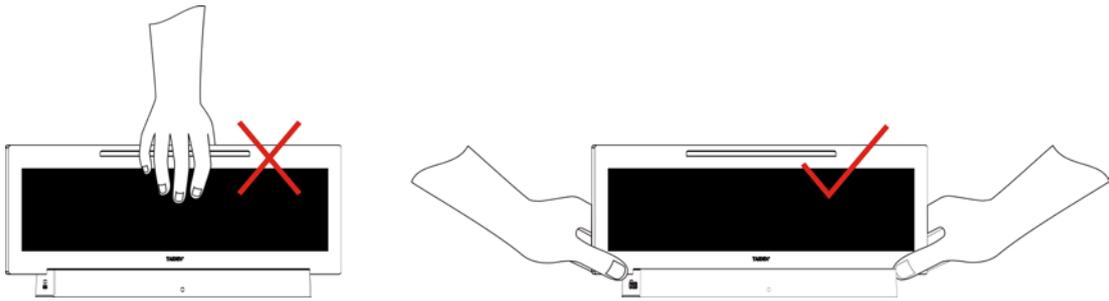


Figure 2.2.1 Moving

2.2.1 Desktop fixed Installation of HCS-1082(S(N))

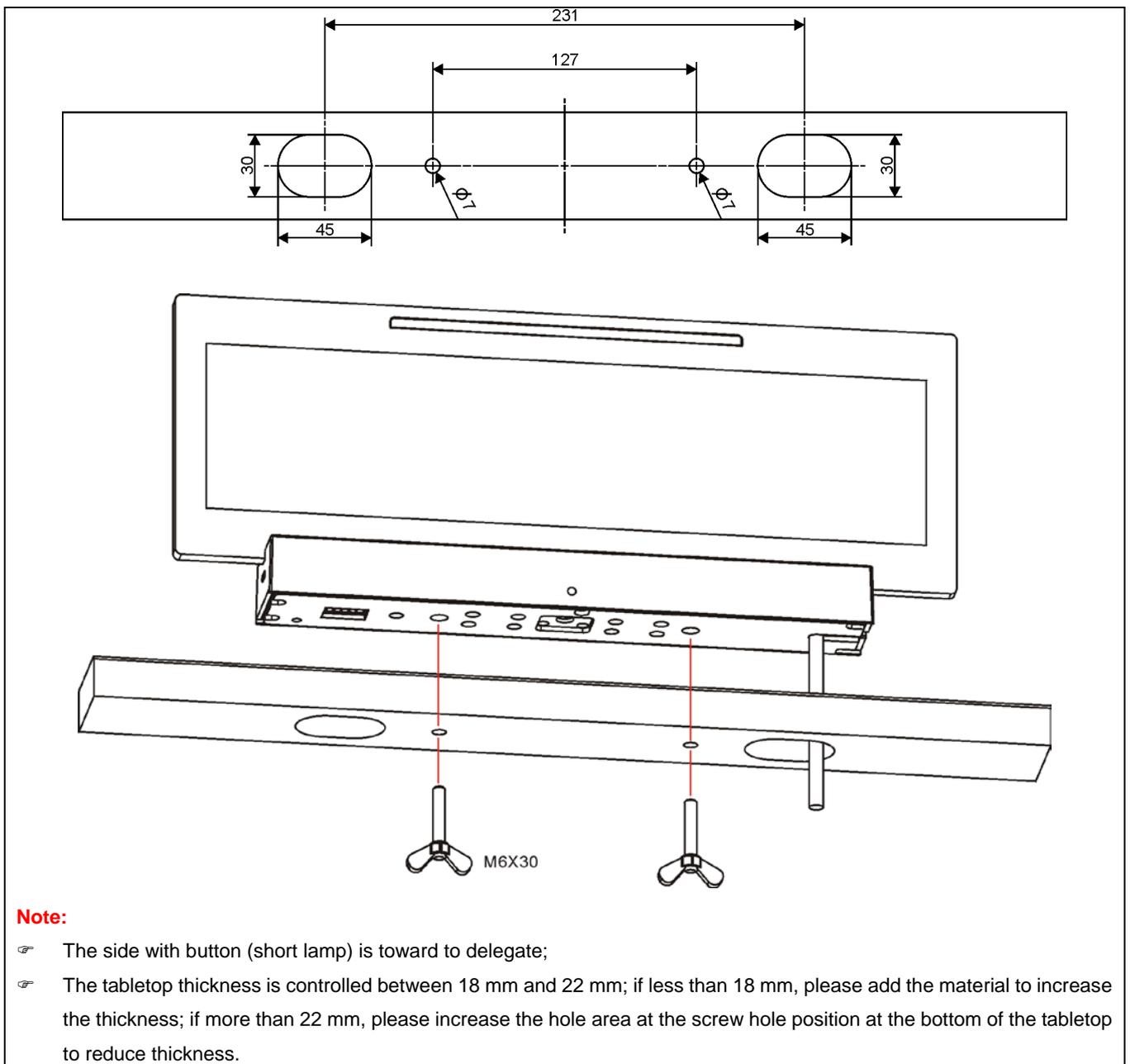


Figure 2.2.2 Fixed installation of HCS-1082(S(N)) electronic nameplate

2.2.2 Installation of HCS-1082S(N)/FM

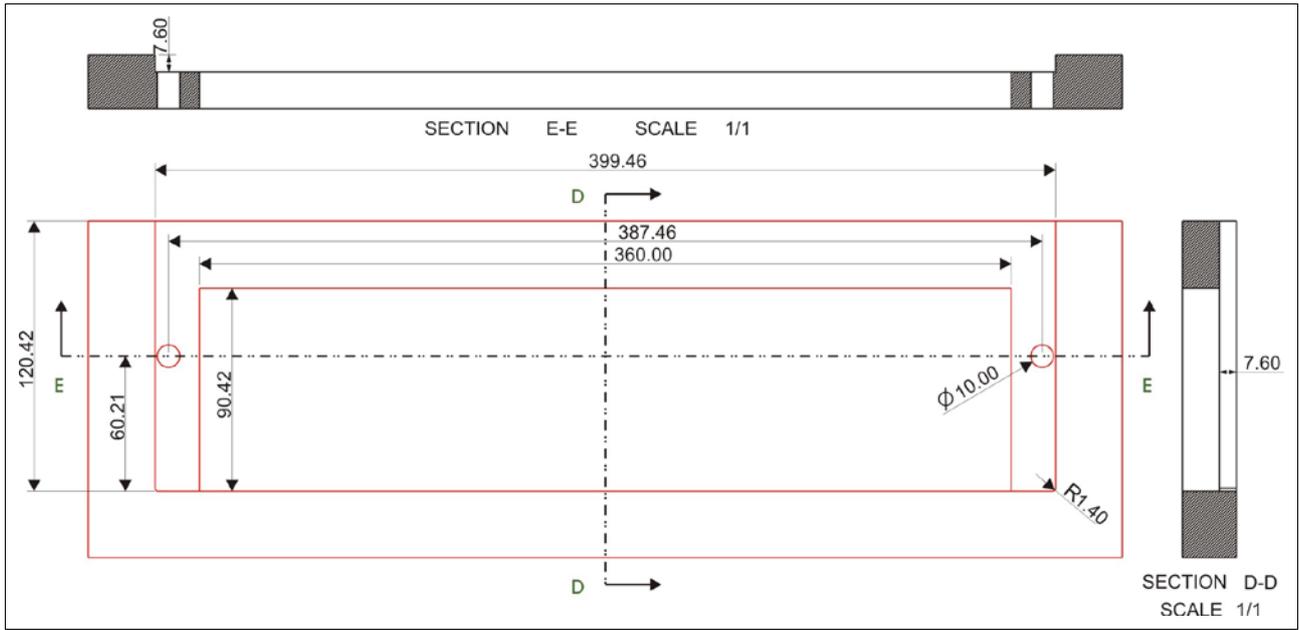


Figure 2.2.3 Fixing hole positioning diagram of HCS-1082S(N)/FM (unit: mm)

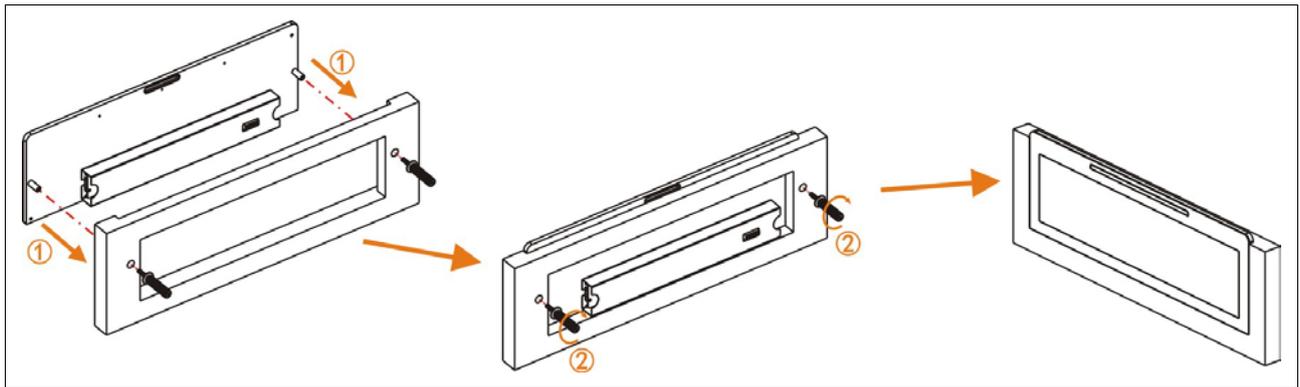


Figure 2.2.4 Flush-mounted installation of the HCS-1082S(N)/FM

2.3 Connection and operation

1. Connection nameplates to main unit

There are two ways for electronic nameplates to access main unit:

First, the electronic nameplates are directly connected to the conference units (eg. HCS-8668) via USB cable (Figure 2.3.1), and the electronic nameplates are automatically bound to the conference units at this time. The HCS-8531 Electronic Nameplate Client is needed for nameplate controlling.

Second, through the PoE switch, using RJ45 cable, the electronic nameplates and the EXTENSION port of the conference main unit can be connected to the same network, and under this connection mode, the electronic nameplate can be used independently, or can be manually bound to the conference unit. The HCS-8531 Electronic Nameplate Client is needed for nameplate controlling.

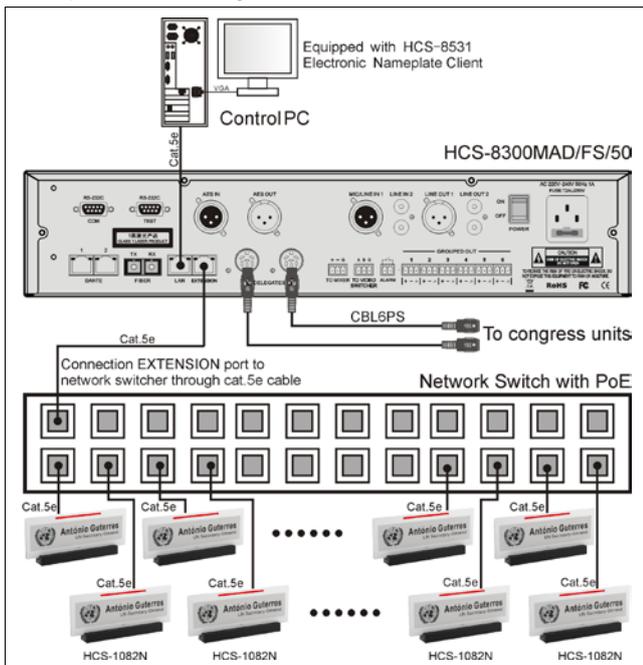


Figure 2.3.2 Nameplates connection via cat.5e cable (with main unit)

Number

First of all, make sure that the nameplates are connected properly to the CMU. All nameplates must be numbered when the system is used for the first time or when adding or replacing nameplates. The numbering function can be activated HCS-8531 Electronic Nameplate Client.

The number indicating light of all connected nameplates will blink and screens display: "Numbering...". Press the key on the backside of all

nameplates one by one. Once all nameplates numbered, restart the CMU to update the number information.

Note:

- ☞ The nameplate number cannot be duplicated with the conference unit;
- ☞ Nameplates which connected to the units directly through a USB cable do not need to be numbered.

2. Connection nameplates to network

The HCS-1082 series electronic nameplate can be used independently without main unit, at this time, the electronic nameplates and the control computer should be connected to the same network (network switcher needed). HCS-8532 Electronic Nameplate Server is needed for nameplate controlling.

The default IP address of nameplate is 192.168.1.82, so, please modify the IP address of the nameplate first. Connect only one nameplate to the network, and then enter the default IP address in browser to access the nameplate webpage to modify IP address, and then restart the nameplate.

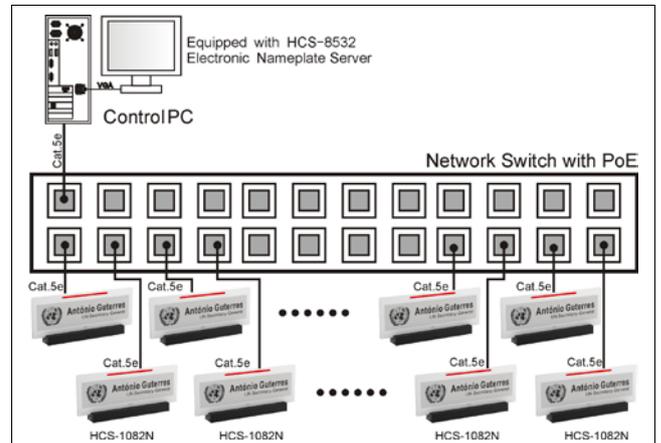


Figure 2.3.3 Nameplates connection via cat.5e cable (without main unit)

3. Connection nameplates to computer

When connecting to computer via USB cable, nameplate can be automatically recognized as a USB flash drive so that pictures from PC can be copied to the nameplate for display.

- Picture format: *.bmp, monochrome bitmap;
- Nameplate resolution: 1904*464;
- Front screen file name: 1.BMP;
- Back screen file name: 2.BMP;
- Double screens file name: 3.BMP.

Press and hold the key on the back side for 3 seconds, or click “Display Nameplate Version” through nameplate system software, the screen of nameplates display the device information. Include: Device ID, Version and Build. Press the key again to exit version display.

4. Display

Display content can be set through nameplate system software, contents may be permanently displayed after power down.



Device Info	
ID: 12	HCS-1082S
	Version: 1.00.00.03
	Build: Feb 27 2019, 08:58:02
	Serial: tda0000a6a

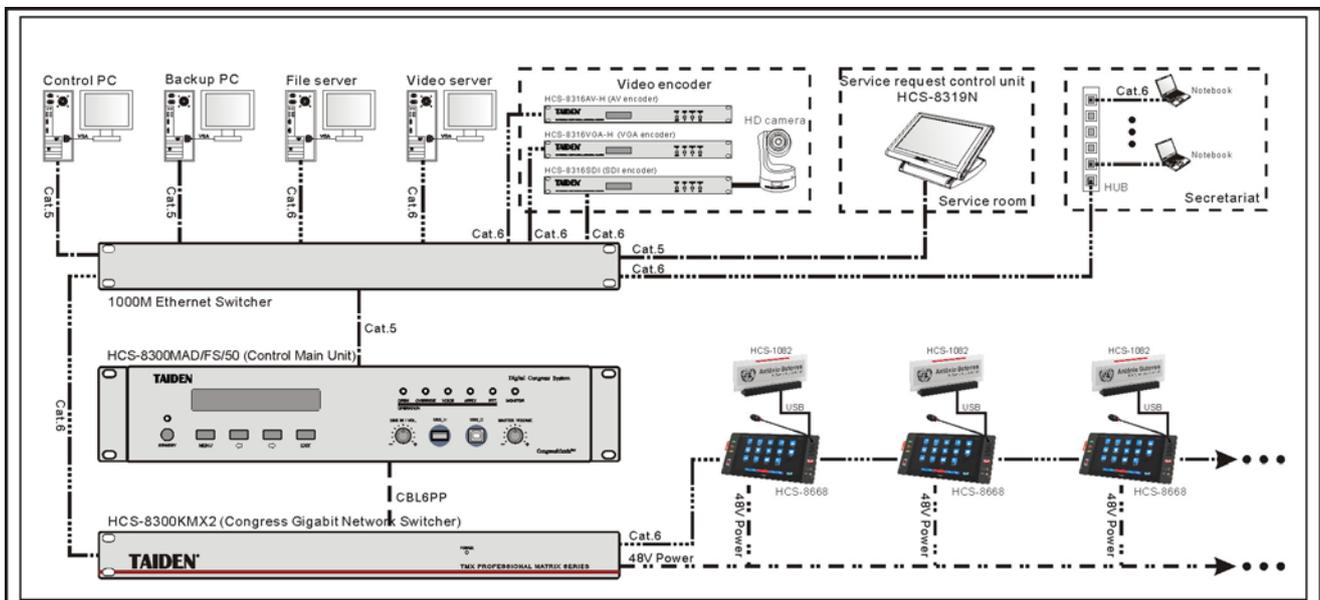


Figure 2.3.1 Nameplates connection via congress terminal

Chapter 3 Technical specifications

3.1 System specifications

System performance

Conforms to IEC 60914, the international standard for congress systems

System environmental conditions

Working conditions fixed/stationary/transportable

Temperature range:

- Transport: -40 °C to +70 °C
- Operating: 0 °C to +45 °C

Max. relative humidity: < 95% (not condensing)

Safety: Compliant to EN 60065

EMC emission: Compliant to EN 55022

EMC immunity: Compliant to EN 55024

EMC approvals: CE, FCC

Power harmonic: Compliant to EN 61000-3-2

Voltage fluctuations and flicker: Compliant to EN 61000-3-3

3.2 E-ink nameplate

Physical characteristics

Types	E-ink nameplate
Installation	Tabletop / Flush-mounted
HCS-1082(S) Dimensions (mm)	<p>Technical drawing of the HCS-1082(S) nameplate. It shows a top view with a display area of 305.3 mm width and 139.5 mm height, and a total width of 394.7 mm and total height of 164.5 mm. A side view shows a mounting depth of 7.2 mm and a base width of 47.6 mm.</p>
HCS-1082S/FM Dimensions (mm)	<p>Technical drawing of the HCS-1082S/FM nameplate. It shows a top view with a display area of 177.4 mm width and 129.6 mm height, and a total width of 398.7 mm. A side view shows a mounting depth of 15 mm and a base width of 35 mm.</p>
Color	HCS-1082(S): black (PANTONE 419 C) / white (PANTONE 420 C) HCS-1082S/FM: white (PANTONE 420 C)
Weight	HCS-1082(S): 1.3 kg HCS-1082S/FM: 0.8 kg

Electrical characteristics

Types	HCS-1082(S)	HCS-1082S/FM
Display dimensions	384 mm x 89 mm	
Resolution	1904 x 464	
Max. consumption	3 W	
Static consumption	< 100 mW	
Connection	Cat.5e cable with RJ45 socket Type-C USB connector	

TAIDEN INDUSTRIAL CO., LTD.

6/F, Block B, Future Plaza, 6060 Qiaoxiang Rd, Nanshan District, Shenzhen, China

P.C.: 518053

Website: <http://www.taiden.com>

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