HCS-8679ADL Multimedia Congress Terminal

The stylish and ergonomically designed Multimedia Congress Terminal is equipped with a 17.3" high-resolution (2560×1440) LCD touch panel. It realizes versatile functions, e.g. conference control & management (speech, vote), sign-in, conference documents management, speech text guidance, conference documents reader and editor, desktop sharing, delegate information and conference agenda display, video display, multiple channel VOD (up to 10 channels with 2560×1440 resolution) and broadcasting, short message, call service, etc.

Retractable screen equipped with retractable gooseneck microphone, can be raised and lowered simultaneously or individually.

Features

- **Stylish and ergonomic design**
- **Electronic document distribution for paperless meetings**
- **Based on TAIDEN GMC-STREAM Gigabit Multimedia Congress Stream technology, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting**
- **Aluminum alloy shell, light, beautiful and elegant**
- **Equipped with a 2k Full HD,17.3" LCD touch panel (2560×1440), 16:9 display ratio offers better document reading experience**
- **Capacitive touch panel supporting multi-touch, improves operation experience**
- **Supports active stylus pen HCS-8679PEN**
- **Retractable screen design, auto on/off**
- **Screen automatically tilts when raised, with adjustable angle**
- **Retractable gooseneck microphone**
- **Microphone stem can be lifted or lowered independently for perfect storage**
- **Based on TAIDEN MCA-STREAM (Multi_Channel_ Audio STREAM) digital processing and transmitting technologies**
- **64 CHs interpretation with volume control**
- **Transmitting up to 64 CHs high quality digital audio signals**
- **Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 Hz and 20 kHz**
- **Supporting "PnP" (plug and play)**
- **Internet access**
- **Excellent immunity to RF interferences from mobile phones**

Functions

- Compliant to ISO 22259
- Aluminum alloy shell, light, beautiful and elegant
- High-standard aluminum shell to ensure screen heat dissipation performance, high-definition silk screen glass to ensure the best visual effect
- The transmission structure is specially treated, noise is minimized, and the internal structure is treated with a waterproof method
- Retractable structure design, after rising, the screen will automatically power on; after falling, the screen will automatically power off
- Support manually control and central control (Up, Pause, Down)
- Equipped with a 1.3-inch touch screen which can be configured with flexible control and indication functions
- The rise, fall and pause of the display can be controlled centrally through the conference system software
- After the screen is raised, it automatically tilts back, and the tilt angle can be adjusted between 0-35 degrees. The tilt angle can be adjusted through the 1.3-inch touch screen, or can be manually adjusted to a comfortable position
- Built-in HDMI module, supports HDMI signal input
- Equipped with a 2k Full HD,17.3" LCD touch panel (2560×1440), 16:9 display ratio offers better document reading experience
- Capacitive touch panel supporting multi-touch, improves operation experience
- Supports active stylus pen HCS-8679PEN
- Frosted glass, eyes protection, non-reflective, anti-fingerprint
- Equipped with a retractable microphone, and the microphone can be lifted or lowered independently, so, it can be lowered when the microphone is not needed
- Press-type USB module, equipped with two USB ports and a headphone jack, which can be pushed up and stored
- Innovative embedded system-based Paperless Multimedia Congress Terminal, based on TAIDEN independent intellectual property mMediaCongress™ platform, never subject to viral infection, hacker-proof, safe and reliable
- Based on TAIDEN GMC-STREAM Gigabit Multimedia Congress Stream technology, paperless multimedia functions and basic capabilities of discussion and voting are parallel operations, fully guarantees the real-time performance and stability of the important data stream of the meeting, such as audio, voting information, and control information

- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supporting 48 kHz audio sampling rate, all 64 channels perfectly reproducing audio frequencies between 20 Hz and 20 kHz
- Gain and lowcut of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Mini-microphone, with foam windshield
- Automatic recovery facility, supporting "PnP" (plug and play)
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Every congress unit is assigned an individual ID for convenient setup and to avoid double ID allocation forever
- Facilities in stand-alone operation:
  - Set the number of delegates permitted to speak at the same time
  - Speak mode: Open/Override/Voice/Request/PTT
    - "Open" mode, microphone On/Off button with request-to-speak registration (AUTO)
    - "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
    - "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
    - "Request" mode, delegate applies to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
    - "PTT" mode, press microphone On/Off button to talk
  - Key press sign-in
  - Voting function (Yes/No/Abstain)
  - Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Interactive conference control and management function:
  - Microphone control: display of venue layout, speaking list, request-to-speak list, etc., corresponding microphone control functions for authorized unit
  - Voting management: sign-in, select proposal, multiform voting, voting result display, etc.
  - Simultaneous interpretation management: switch language channel by one touch and adjust earphone volume, etc.
- Paperless conference functions:
  - Conference documents management: Download/upload files from/to file server with Retractable Multimedia Congress Terminal. Control of uploading, downloading or deleting of an individual or a batch of Retractable Multimedia Congress Terminals also by file server. Rights for conference documents management and for saving documents to archives
  - Speech text guidance: speed, font size and font colors configurable by user
  - Conference documents (.txt, .doc, .ppt, .xls, .pdf, .jpg, .png, .gif, etc.) reader and conference documents (.txt, .doc, .ppt, .xls, etc.) editor with authorized software license, supports a variety of input methods
  - Image file reader
  - Memorandum: recording on electronic notebooks and saving the record of the meeting
  - Desktop sharing: documents issued by this Congress Terminal can be displayed on large hall screens and other Congress Terminals to realize ad hoc reporting
  - Delegate information and conference agenda display
  - Internet access: related information is available through the Internet or the LAN during the meeting
- Multiform video service:
  - Multiple channel video broadcasting: through video encoder and video server, various video sources (such as high-definition camera, cable TV, video, etc.) can be broadcasted in high-definition synchronously to all Paperless Multimedia Congress Terminals
  - Multiple channel VOD (up to 10 channels with 2560×1440 resolution)
  - Video display function:
    - The large hall screen video can be displayed on the Congress Terminals through video encoder and video server
    - Advertising videos can be published on video server and watched on Paperless Multimedia Congress Terminals
    - Video file playback either from Paperless Multimedia Congress Terminal or from USB disk
- Conference service:
  - Short messages reader and editor
  - Call service, call secretary
- Set any delegate unit to be VIP unit
  - VIP unit can be activated as long as the total of active microphones is not beyond the MU limitation (incl. chairman/delegate/VIP unit)
- Getting authorized from file server, the following meeting control functions will be provided:
  - Microphone control
  - Voting control
  - Desktop sharing control

Controls and Indicators

- 17.3" LCD touch panel for interactive functions
- 1.3" LCD touch panel for controlling
- Uni-directional electret condenser microphone with two–color illuminated ring
- Microphone On/Off button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack with volume control
- Type-A USB interface
- One DC slot for connecting to +12V power adapter
- Two Gigabit network ports for "daisy chain" connection
- HDMI interface, support external video input
- RS485 interface can be used to connect the central control system

Technical Specifications

Electrical

Power	DC 12 V, 5A

17.3" LCD screen

Type	True color TFT LCD
Dimension	17.3 inches, 16:9
Resolution	2560×1440
Display color	16.7M
Contrast	1000:1

1.3" LCD screen

Dimension	1.3 inches
Resolution	240×240
Display color	262k

Headphone connection

Frequency response	20 Hz to 20 kHz
Earphone load impedance	>16 Ohm
Earphone output	13 mW

Microphone

Transducer	Ø16mm gold-plated electret-condenser
Polar pattern	Hypercardioid uni-directional
Sensitivity	-37dB (0dB=1 V/Pa)
Frequency response	20 Hz to 20 kHz
Directivity 0°/120°	⩾28 dB (@1 kHz) ⩾28 dB (@2 kHz) ⩾26 dB (@4 kHz)
Equivalent noise	20 dBA
Maximum sound pressure level	132dB@1kHz, THD⩽0.5%

Interface data

Connector	2 ×USB interface (Type-A) Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting	Flush-mounting
Dimensions (h × w × d) (Storage status)	720 ×675x50 mm
Weight	14.5kg
Color	Black (PANTONE 419 C)
Microphone Stem length	410 mm

Ordering Information

HCS-8679ADL	Multimedia Congress Terminal Multimedia Congress Terminal (all-in-one retractable terminal, delegate unit, 17.3" 2k Full HD LCD, 2560×1440 resolution, capacitive touch screen, supports active stylus pen, with retractable gooseneck microphone, Ø16mm gold-plated large-diaphragm high performance electret condenser microphone), speech, voting, 64 CHs, paperless conference functions, video display, multiple channel VOD and broadcasting, HDMI input, conference service, internet access, black, microphone and adapter are included)