GONSIN®

**Paperless
Conference System**

GONSIN

■ Desktop All-in-one Terminal DCS-2071D

Function

- Desktop all-in-one terminal with full metal shell design, with adjustable stand, the screen angle can be adjusted flexibly
- The screen adopts narrow borders on three sides, equipped with a 15.6-inch LCD screen, and supports capacitive touch screen
- With anti-wiring off design in the back , effectively avoiding wiring off when moving; at the same time, it has the function of protecting the connector and hiding the outgoing line, ensuring that the desktop is clean and beautiful.
- Equipped with a gooseneck microphone, adopting the design of adjustable shaft and hose microphone stem. It has a variety of microphone stem lengths, for flexible and tidy storage. The microphone is equipped with a status indicator light ring and features an illuminated touch-sensitive integrated button.
- Equipped with a high-fidelity speaker. Supports conference monitoring function. Capable of playing audio from various sources, such as multimedia files, music, videos, video conferences, and external audio. Utilizes a 2W chamber speaker, with optional configurations available for the speaker setup.
- The electronic table card is equipped with plexiglas decorative piece. Support mirror, frosted and other materials available Support user LOGO customization, monochrome and color graphics customization (chargeable)
- Supports optional high-definition camera (depending on the model). Can expand functionalities such as facial recognition, photography, video recording, video conferencing, etc. Camera angle is adjustable. Utilizes a 5-megapixel camera, with optional configurations available for the camera setup.
- Supports optional NFC module (depending on the model). Enables close-range wireless communication with NFC cards and smart cards, suitable for applications such as conference registration, identity recognition, operation authorization, and data transfer.
- Supports optional fingerprint module (depending on the model). Provides fingerprint recognition functionality, suitable for applications such as conference registration, identity recognition, and operation authorization.
- Supports optional 7.5-inch wireless electronic ink screen with a resolution of 800x480 (depending on the model). The screen provides a soft, natural, and flicker-free display, resembling the effect of paper, without affecting the shooting results. It comes with built-in embedded software for electronic table cards. It can display participant names, positions, company names, company logos, and other information. Supports customization of fonts, backgrounds, and templates.
- Support extended simultaneous interpretation function. Support simultaneous interpretation of 32 (1+31) channels. Support channel expansion, up to 64 channels (need to add equipment). The audio frequency response of the simultaneous interpretation channel can reach 20Hz~20kHz
- With paperless meeting terminal software, paperless meeting functions can be realized. Functions include but not limited to: registration, voting, evaluation, quick voting, document browsing, annotation, message, conference services, streaming viewing, screen sharing, electronic whiteboard, site control, video conferencing, notepad, simultaneous interpretation, voice transcription, voice control, etc. (some functions need equipment support)
- It supports daisy-chain connection, star connection and mixed connection. The system is highly stable and reliable. The breakdown of one extension won't influence the other extensions, and the malfunction of one attachment among the extensions won't influence the system to work
- Conference terminal, switch, power HUB and conference server are all connected by network cables. Automatic restoration function, support hot plug
- Supports two power supply methods: DC power supply and Ethernet power supply. It features a linear voltage regulator circuit with overvoltage protection, ensuring safety and reliability. It comes with built-in embedded power management software that monitors the device's voltage status, enabling device operation and maintenance management.
- Using full digital audio technology, built-in DSP digital audio processing software. Supports balance adjustment, which can automatically filter out invalid low-frequency components in the sound, avoid low-frequency impact sounds, and improve sound clarity. Support independent or unified adjustment of the volume and sensitivity of each terminal. Support terminal volume/sensitivity lock to avoid setting confusion caused by improper operation
- The embedded software of the conference terminal provides multiple discussion modes, including: VOX, Auto, FIFO, Operator, Request and PTT.

- VOX function: in VOX mode, the unit will be activated for user speaks; VOX sensitivity can be adjust by the server; microphone time-out is adjustable
- Auto function: Only the number of microphones limited by the system can be activated. When the number of open microphones is greater than the system limit, press the speaking button, the microphone cannot be turned on, you need to turn off the microphones that have been turned on, and then the microphone can be turned on by pressing the button.
- FIFO function: When the number of open microphones is greater than the system limit, press the speak button to turn on and automatically turn off the earliest open microphone
- Operator function: When the number of open microphones is greater than the limit, press the speak button to enter the application waiting state. After the opened microphones are closed, the applied microphones will be opened automatically
- Request function: In Request, press the speak button and the microphone turns on and release the speech button and the microphone will be turned off
- PTT function: the delegate send request-to-speak by terminal, and can speak upon chairman approval. The chairman terminal can be activated anytime without approval
- The maximum number of turned on microphone at the same time is 5. There is no limit to the number of system terminals.
- Built-in camera tracking management software. Support HD automatic camera tracking, support preset panoramic position. Support image tracking and voice tracking function (need to add equipment)
- Each terminal has unique unit ID; the conference system can assign unit ID to conference terminal automatically or manually
- Any terminal can be set as the chairman, vice-chairman, secretary terminal (with no limit on the quantity), in addition to all the functions of the delegate terminal, it also has the following functions:
- Chairman terminal can be activated at any time without limitation of the turned on microphones
- Chairman terminal can control the delegate terminals to turn on or off
- Chairman terminal can control the paperless functions such as registration, voting, screen sharing and so on.

Technical Parameters

Installation Type	Desktop
Connection Method	Network cable
Color	Black+Grey
Operating System	Android
Memory	4+16GB
Screen Dimensions	15.6 inches, 16:9
Screen Resolution	1920×1080
Extension Interface	USB port×3
	DC interface×1
	RJ45 interface×2
	Ø3.5 mm interface×2
Speaker Module	2W/8Ω
Power Supply	24V
Power Supply Method	Adapter, conference server or power HUB
Dimension (L×W×H)	Open the stand: 375×290×40mm (including mic stem)
	Close the stand: 375×243×180mm (including mic stem)
Weight	3kg
Microphone Type	Heart pattern directional electret
Directivity	0°/180°: >20dB (1kHz)
Effective Pickup Distance	≥80cm
Microphone Stem Length	260mm
Audio Freq. Response	20Hz~20kHz
Sensitivity	-46 dBV/Pa
Equivalent Noise Level	20dBA (SPL)
Max. SPL	125dB (THD＜3%)
THD	＜0.05%
SNR	≥96dB

Optional Modules

NFC Module   HD Camera   Fingerprint Module

Wireless Electronic Table Card

Simultaneous Interpretation Module V1.0

Function

- Support simultaneous interpretation function of 32 (1+31) channels
- Support channel expansion, up to 64 channels (need to add device support)
- The audio frequency response of the simultaneous interpretation channel can reach 20Hz~20kHz

Optional Modules

NFC Module   HD Camera   Fingerprint Module

NFC Module GX-NFC101

Function

- Realize short-distance wireless communication with NFC cards and smart cards for meeting registration, identification, operation authorization, data transmission, etc.

Technical Parameters

Reader support	Mf0: Ultralight, Ultralight C, NTAG203, NTAG213
	MF1: S50, S70, FM11RF08 and their compatible cards
NFC parameters	Support ISO14443 TYPE A standard, Mifare standard card

Reader BR-101A

Function

- Using 13.56MHz non-contact radio frequency technology, embedded NXP highly integrated read-write chip as radio frequency base station
- Support ISO14443 TYPE A standard/Mifare standard card
- Support USB to serial port communication

Technical Parameters

Reader support	Mf0: Ultralight, Ultralight C, NTAG203, NTAG213
	MF1: S50, S70, FM11RF08 and their compatible cards
NFC parameters	Support ISO14443 TYPE A standard, Mifare standard card
Serial protocol (UART)	Serial bit data (8), parity bit (none), stop bit (1), baud rate 19200

Camera Module GX-CAM102

Function

- Realize face recognition, photo taking, video recording, video conferencing and other functions

Technical Parameters

Pixel	5 Megapixels (depending on the model)
Focus Mode	Auto zoom (depending on model)
Support Resolution and Frame Rate	1920×1080@30fps, 1280×1024@30fps, 1280×720@30fps, 1024×768@30fps, 800×600@30fps, 640×480@30fps, 320×240@30fps (depending on the model)

Fingerprint Recognition Module GX-FPR102

Function

- Realize fingerprint recognition function, which can be used for meeting registration, identity recognition, operation authorization and other applications
- Support self-learning function. During the fingerprint identification process, after the latest fingerprint feature value is successfully identified, the feature value can be integrated into the fingerprint database to make fingerprint identification more accurate as it is used
- Support 360-degree automatic correction. Pressing your finger at any angle on the module can be recognized normally

Technical Parameters

Fingerprint Recognition Rate	99.9999%
Recognition Speed	450ms

Fingerprint Acquisition Module GX-FPA101

Function

- Realize the fingerprint acquisition function
- Support self-learning function. During the fingerprint identification process, after the latest fingerprint feature value is successfully identified, the feature value can be integrated into the fingerprint database to make fingerprint identification more accurate as it is used
- Support 360-degree automatic correction. Pressing your finger at any angle on the module can be recognized normally

Technical Parameters

Fingerprint Recognition Rate	99.9999%
Recognition Speed	450ms

Electronic Table Card Module GX-ENP101

Function

- 7.5-inch electronic ink screen, close to the paper display effect, the display screen is soft and natural, no flicker, does not affect the shooting effect. Front and rear dual screen design, dual screen can synchronously display participants' information, support LOGO, background picture, background color, unit, name, position and other information dual-screen synchronous display. Supports three colors: black, white and red.High contrast. Supports English display.

- Built-in electronic table software. Devices can be quickly assigned to the meeting room according to the actual situation, and centralized management can be conducted on computers, Android tablet terminals, and Android mobile terminals. Support quick call device, complete the table information of all participants quickly update, to solve different meetings, different participants, different seat arrangements and many other needs

- Connected to the network base station, it can display and edit management of single or multiple electronic table signs through computer software, webpage, APP and Mini Program, and batch update can be completed in 30~60 seconds. It can be connected to intelligent meeting management platform for unified management of electronic table signs. Can automatically update the content according to the meeting arrangement and display the corresponding information for different meetings

- By connecting mobile phones with Bluetooth or NFC, Android, Harmony and IOS terminals can edit single or multiple electronic table cards. Transmit information data to the electronic table card through APP to realize screen refresh and lasting display of table card image after refresh. Support one key to send conference template

Technical Parameters

Resolution	800×480
Viewing angle	Up, down, left and right > 178°
Communication method	Wireless: BLE 5.0/Bluetooth,2.402~2.480GHz;NFC: ISO/IEC14443-A
Transmission distance	within 15 meters radius (normal working environment)
Battery parameters	3.1~3.3V, 3600mA/h, Service life: 2 years (normal working environment)

Network Base Station **GX-AP102-Y**

Function

- Connected through the network base station, support through the host computer software, intelligent conference management platform connected to the network base station for editing and management, 57 seconds to complete the batch update
- Normal communication radius between table card and network base station is ≤15 meters to meet various occasions.
- External small suction cup antenna design, comes with 2 meters of connecting cable, the server can be hidden
- High-performance processing capabilities, using 32-bit 4-core Cortex-A17 processor, the highest main frequency 1.8G, equipped with Android 7.1 system.
- With dual-screen heterodyne function, support HDMI 4K@60fps, EDP 4K×2K@30fps, LVDS 1920×1080@30fps.
- With a wealth of external interfaces, 6 USB interfaces, 1 TP interface, 1 SPI interface, 1 I2C interface, 2 groups of TTL serial port is perfectly compatible with the customer's expansion needs.
- Equipped with multiple function keys and status lights, reset button, power button and multi-function keys (customizable) to control the device, 3 status lights can monitor the current status of the base station.
- Support 4G communication function.
- Support battery backup to maintain emergency response in case of sudden power failure.

Technical Parameters

CPU	Quad-core Cortex-A17 up to 1.8GHz
GPU	Mali-T764, supports OpenVG1.1, OpenGL ES1.1/2.0/3.0, OpenCL1.1,
	RenderScript and DirectX11.OpenCL1.1, RenderScript and DirectX11.
Operating System	Android 7.1
RAM	DDR3×4, 2GB
ROM	EMMC 8/16GB, supports TF card expansion.
WIFI	802.11b/g/n
BT	Bluetooth V4.0
Display	1×Dual/Single LVDS 1920×1080@30fps/1280×800@30fps
TP	Support USB interface TP
USB	2×USB TYPE A (one of them supports OTG2.0)
Serial Port	1×RS485 interface
Other Expansion Interfaces	2×Magnetic lock interface + door detection
HDMI	1×HDMI1.4/2.0 4K×2K@60fps
Ethernet	4×10/100M RJ45 + 4×DC12V can be connected to 4-way IPC
Microphone	1×MIC
Speaker	Built-in, 8Ω/6W
Power Input	Standard 12V , 5A
Product Size	135.6×135×55mm
Operating Temperature	-20 ~ +70℃
Storage Temperature	-20 ~ +85℃
Operating Humidity	15% ~ 60%RH
Storage Humidity	15% ~ 60%RH

Intelligent Conference Management Platform Server **GX-RS102**

Function

- Adopt 4U standard rack server, panel configuration 10-point industrial standard capacitive touch control 8.9-inch A+ gauge LCD monitor, pull-out integrated keyboard and touchpad, easy for daily maintenance

- Stable and reliable performance, aluminum alloy panel, all-metal design, chassis can resist contact 4kV strong magnetic interference, air gap 6kV electromagnetic interference; linear regulator circuit with overvoltage protection

- Rich interfaces: 2×1000M LAN, 6×COM, 10×USB, 8×GPIO (built-in), 1×VGA, 1×HDMI, 1×MIC_IN, 1×LINE_OUT, 2×RS-232, 1×PS /2, 1×PCIEx16 slot, 1×Msata slot, 1×Mini-PCIE slot, support watchdog hardware reset function

- The server provides a variety of platform services based on the deployed platform software to achieve stable and efficient management functions. Support multiple meeting rooms to share one server. Support multiple projects sharing one server

- The server platform is developed based on JAVA technology, adopts B/S architecture, adopts large enterprise-level large database Mysql, and supports massive data storage

- The server supports multiple management methods, including local area network, private network, Internet and so on. Operators can access and control management through various methods such as web page, APP, PC software, Mini Program, etc.

- Built-in dual-machine hot backup software. Support server dual machine hot backup function. One of the servers can be set as a backup server. When the main server fails unexpectedly, the backup server can be automatically hosted to ensure that the system platform works normally without interruption

- The server adopts SSL encryption mechanism to effectively ensure the storage security and transmission security of sensitive information. Encryption algorithms such as RC4, MD5 and RSA are used to ensure the security of platform data and avoid leakage of important information

- Adopt 100V~240V wide voltage input design, built-in power management embedded software, can monitor voltage status, avoid equipment failure caused by voltage fluctuation, and realize all-weather protection

Technical Parameters

CPU	Intel Core i5 processor, 6M cache, quad-core 4 threads up to 3.20GHz (configuration upgrade supported)
Memory	8G DDRIII, supporting up to 16G (configuration upgrade supported)
Hard Disk	1TB SATA hard drive (configuration upgrade supported)
Power	300W
Dimensions (L×W×H)	482×305×195mm (without panel handle)
Product weight	15kg

GONSIN Paperless Management Platform Software
V1.0

Function

- The platform can be accessed and operated through LAN and private network. Paperless terminals, system devices, software, APP and related applications can provide services under LAN. Support extended Internet access function (need to provide public network independent IP address or deploy to the cloud).
- The platform adopts B/S architecture, based on the characteristics of IoT, combined with intelligent hardware terminals and software services to realize networked, intelligent and electronic management of meetings, providing the whole process management before, during and after the meetings.
- With paperless terminals, tablet voting terminals and other system devices, paperless meeting functions can be realized. Provide services including: meeting sign-in, voting, deliberation, fast voting, document browsing, annotation, message communication, meeting service, streaming media viewing, paperless same screen, electronic whiteboard, and others; it can also extend the central control, intelligent voice recognition function (need to use with other equipments)
- Supports management of building resources and meeting room resources. Support centralized management across multiple cities, multiple regions, and multiple buildings.
- Support adding multiple enterprises/units/departments/group organizations. Support personnel management for organizational structure. Personnel information settings include name, English name, group, gender, account number, contact number, photo, card number, fingerprint, etc.
- Provide equipment management service to support unified management of equipment, servers and hardware terminals for meetings.
- Support the setting of the sitting of the hall. The seating chart of the meeting room can be edited according to the on-site situation. When organizing a meeting, participants and seats are set up to realize personnel seating and equipment association.
- Support check-in settings for meetings. When multiple check-in systems are shared, it supports the summary statistics of check-in data, or setting a system as the main check-in data.
- Support the matching of participants with people and machines. When you select a person to sit at a designated seat, the attendee can be matched with the equipment and account on the seat.
- Support unified management and setting of meeting topics, and support the operation of topic addition and deletion. Topic settings include topic name, topic length, presenter, participants, meeting documents, voting items, etc.
- Support adding and deleting issue files. Support permission setting for the file/folder. The file list can be sorted and managed according to the viewing order of the meeting process.
- Support issue adding/editing/deleting voting items for voting in the meeting process. Support title editing, setting voting slogans, setting the type of voting, setting the result passing ratio and other operations. Support multiple voting methods such as voting, commenting, election, rating, and custom voting.
- Post-meeting processing function module can easily query historical meeting information, issue information, sign-in results, voting results and related documents. It supports exporting data selectively or exporting all.
- According to the system composition of the meeting platform, corresponding post-meeting documents can be formed. Post-meeting documents include: temporary meeting documents, annotated documents, whiteboard documents, chat log documents, etc. Support file export, archiving, clearing and other functions.
- Support for docking ASR intelligent speech transcription system. Support role separation, voice transcription, subtitle display, language translation and other functions of the meeting process (specified functions need ASR engine support).

Call Service Terminal **GX-PST405**

Function

- With an integrated metal body, 10.1-inch capacitive touch screen, supporting 10-point touch control and 1920×1200 high resolution, it provides a high-quality viewing experience.
- During the meeting, participants use the conference service function, and service requests will be prompted on the conference call service terminal in time to form a list of service information. Service personnel choose to accept the response and provide the required service.
- Service personnel can obtain the location of the meeting room and the seat of the attendee through the request.
- Support conference service history inquiry.
- Support personal center to view account information, can quit the account, and flexibly switch other account login.

Technical Parameters

Operating System	Android
CPU	Hisilicon Kirin 710A
RAM	4GB
ROM	64GB
Screen	10.1-inch, 1920×1200 resolution
Screen type	Full-view capacitive TFT IPS screen with 10-point touch support
Connection method	2.4G+5.8G dual-band WiFi, Bluetooth
USB interface	Type-C
Audio interface	USB Type-C
Dimensions (W×H×H)	240.2×159×7.55mm
Net weight	Approx. 0.46kg (including battery)
Operating temperature	0~35°C
Storage temperature	-20~45°C

Conference Large-screen Display Terminal
GX-RT101C
Built-in GONSIN Large-screen Display Terminal Software V1.0

Function

- Black metal chassis design, sturdy and durable, with mounting holes for easy installation. Can be used with LED screen, LCD TV and other display devices
- Support pre-conference display of scrolling welcome message, on-site seating plan, conference content and agenda, conference room environment data, personnel registration data and so on. Support personalized customization
- Built-in large screen display terminal software. Support display conference name, slogan, registration status, voting status, screen-sharing interface, etc.
- Built-in automatic speech recognition subtitle display software. Support speech subtitle display, position shift and lock. With various subtitle modes, including: original language mode, translation mode, bilingual mode. Support subtitle settings, including font size and color settings for original/translated text, number of subtitle lines, and background transparency settings

Technical Parameters

Operating System	Android
CPU	RK3568, Quad-core Cortex-A55 up to 2.0GHz
GPU	Mali-G52
Memory	4GB DDR4 on board
Internal Storage	64GB eMMC on board
Interfaces	HDMI×1, VGA×1, USB_2.0×4, USB-3.0×2, Line_out×1, Mic_in×1
Networking	RJ45×1, support Ethernet 10/100/1000Mbps
Power Supply	Adapter power supply, input AC100~240V, 50~60Hz, output DC12V2A
Maximum Power Consumption	20W
Dimension	155×108×30mm
Material	Plastic + Aluminum
Color	Plastic + Aluminum
Installation	Desktop placement, VESA rack mounting (optional)
Working Temperature	0~60°C
Storage Temperature	-10~60°C
Operating Humidity	0%-95%(non-condensing)
Storage Humidity	0%-95%(non-condensing)

Encoder   GX-SMI302C-C

Function

■ Adopt all-aluminum profile shell, stable structure; front panel with reset button, power input interface and dip switches (only for custom development)

■ 2-way 3.5 audio interface

■ 1-way RS-485 serial communication interface, support PTZ function

■ 1-way VGA input interface, VGA interface compatible with VGA/XGA/UVGA/SVGA/SXGA/SXGA+/WXGA/WXGA+/WSXGA/WUXGA and other types of video sources, and support for some special resolution inputs

■ With 1-way HDMI input interface, HDMI interface compatible with HDMI version 1.4 and the following video sources

■ With 1-way LAN network interface, support for 100M network card

■ With 1-way USB interface, easy to connect the USB interface devices, support for USB extended storage

■ Support APP software management and control, support Web page end management and control

■ Built-in multimedia conference management software. With the use of conference room screen, computer, video conferencing, video cameras and other signals input to the paperless system display

■ With stable and reliable, high-definition, low bit rate, low latency and other technical features

■ Support the highest 1080P60Hz full HD video acquisition and encoding, resolution auto-detection

■ Support SDI/HDMI embedded audio coding, while supporting 3.5mm analog audio input coding

■ Supports dual stream output, the main stream supports up to 1080P60, and the sub stream supports up to 720P60.

■ Main and sub streams can be opened at the same time 8 streaming services (can be pushed at the same time streaming 8 live platforms)

■ Support video rotation/cropping (e.g. horizontal to vertical screen), horizontal mirroring, color adjustment and other specialized processing before encoding.

■ Support customized graphic overlay, can be superimposed on any position of the screen

■ H.264 encoding, support for SRT Internet point-to-point transmission, support for Caller / Listener / Rendezvous three transmission modes

■ Support RTP/RTSP/RTMP/RTMPS/ HLS / TS - UDP /Onvif and other international common streaming service mode output

■ Support unicast, multicast; support TCP, UDP, UDT and other protocols

■ Support NAS network storage

■ Support 24h working mode

Technical Parameters

Video Input Interface	1×VGA +1×HDMI
Audio Input Interface	1×3.5mm audio terminal
USB Input Interface	1×USB 2.0 Type-A female connector
Audio Output Interface	1×3.5mm audio terminal
Transmission Method	Wired/Satellite
Network Interface	RJ45 100M
Serial communication	RS485
Supported Resolution	1080P/1080i/720P/480P/576P/480i/576i (up to 60Hz) Compatible with VESA display resolution up to 1920×1200@60Hz
Video Encoding	H264/AVC, Motion-JPEG
Audio Encoding	AAC/ G.711
Video Frame Rate	1~60 frames can be set
Video Bit Rate	64Kbps~20Mbps
Encoding Latency	<67ms
Media Protocol Support	SRT/RTMP/HLS/TS over UDP/RTP/RTSP/Onvif
Management Method	APP/ Web Operation (IE Browsing)
Power Supply	DC 12V 1A
Power Consumption	4W

Congress Server
GONSIN10000N

Function

- Black tempered glass panel design, with navigation knob, OLED screen to display system status information, and provide Chinese/English and other language menus

- With wired and wireless seamless compatible technology, wired conference terminals and wireless conference terminals can be mixed into the same conference server for unified management, data intercommunication, and realizing large system platform for sharing multi-mode conference terminals

- Maximally support 128 wireless APs to achieve greater wireless coverage area and terminal seamless roaming

- Developed based on LINUX operating system platform, adopt full digital audio technology, support 48kHz audio sampling frequency, built-in DSP digital audio processor, support treble and bass adjustment

- Adopt WiFi wireless communication technology, in compliance with IEEE 802.11n network standard, adopt 128-bit AES encryption technology, support WEP/WPA/WPA2 wireless security technology, avoid eavesdropping and malicious interference

- Support SSID wireless network settings, which ensures multiple systems can be used in the same environment at the same time, and do not interfere with each other

- Each terminal has unique unit ID; the congress system can assign unit ID to congress terminal automatically or manually

- It provides 4-channel wired conference terminal interface and supports hand-in-hand connection, star connection and mixed connection. The breakdown of one terminal won't influence the other terminals , and the malfunction of one terminal cabling will not affect the whole system, ensuring the system stability

- Support dual-server hot stand-by function. When the current server doesn't work, it will automatically switch to the stand-by server

- Support the application of splitting and merging of the conference room, with 4 channels of audio grouping output, can be split into an independent system using in multiple meeting rooms, or can be used at the same time as the whole system, which is convenient and flexible

- Support separated adjustment of audio and sensitivity of the terminal; adjust the sound effect based on the on-site speaking situation

- A single server supports the maximum number of active terminals: 4 terminals for a single wireless system, 5 terminals for a single wired system, and 5 terminals for mixed use of wireless and wired systems

■ Discussion function: support VOX, Auto, FIFO, Operator, Request and PTT

◆ VOX function: in VOX mode, the unit will be activated for user speaks; VOX sensitivity can be adjust by the server; microphone time-out is adjustable

◆ Auto function: Only the number of microphones limited by the system can be activated. When the number of open microphones is greater than the system limit, press the speaking button, the microphone cannot be turned on, you need to turn off the microphones that have been turned on, and then the microphone can be turned on by pressing the button.

◆ FIFO function: When the number of open microphones is greater than the system limit, press the speak button to turn on and automatically turn off the earliest open microphone

◆ Operator function: When the number of open microphones is greater than the limit, press the speak button to enter the application waiting state. After the opened microphones are closed, the applied microphones will be opened automatically

◆ Request function: In Request, press the speak button and the microphone turns on and release the speech button and the microphone will be turned off

◆ PTT function: the delegate send request-to-speak by terminal, and can speak upon chairman approval. The chairman terminal can be activated anytime without approval

■ With Automatic Speech Recognition System, it can realize the transcription of speech into text

■ Support USB automatic recording function, after inserting the U disk in the front panel, the system audio can be recorded automatically/manually, and the current recording status can be displayed in real time

■ Built-in real-time clock and perpetual calendar, which can display the current time on the congress server and congress terminal

■ Support one-key shutdown by server, and all wireless congress terminals are off, which reduces workload greatly

■ With full digital interpreter console, it can achieve 6-channel (wireless terminal) or 32-channel (wired terminal) simultaneous interpretation function (including the floor channel), and the audio frequency response of the simultaneous interpretation channel can reach 20Hz~20kHz

■ Optional HD video camera tracking matrix, switcher or HD camera, HD automatic camera tracking with preset panoramic view can be realized. It supports up to 8 HD cameras and multi system cascading to meet the camera tracking requirements of large systems and conference venues

■ The server supports the infrared mobile camera tracking function. It needs to be equipped with an infrared automatic tracking camera and a conference terminal (specified model) to realize the intelligent tracking and positioning of the wireless conference terminal. The wireless microphone terminal can be moved freely within the infrared detection range, and can be tracked in real time without resetting the preset position

■ The advanced TCP / IP connection control mode is adopted between the congress server and the control computer, which can realize the control management, remote diagnosis and remote upgrade of the congress system

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■ Extended functions with PC/software control:

■ Can realize conference registration, voting, different voting agenda , and compatible use with GONSIN paperless conference system

■ Operator can click terminal icons for terminal management such as approve or reject the delegate to speak

■ Speaking time limit can be set, the active terminal will be turned off when the speaking time limit reaches

■ It can monitor the system running status in real time, failure alerts will be prompted out immediately, so to ensure important meeting for smooth running

■ It can realize dual software hot stand-by function. One control computer can be set to the backup mode and connected to the system. In case of the malfunction of the current control computer, the backup computer can be hosted automatically, so to ensure the smooth progress of the conference without interruption

Technical Parameters

System capacity	65025
Audio frequency response	20Hz~20kHz
Signal-to-noise ratio	>96dBA
Channel isolation	>85dB
Dynamic Range	>94dB
Total harmonic distortion	<0.05%
Audio interface	1 balanced audio input (XLR), 1 balanced audio output (XLR), 2 unbalanced audio output (RCA), 4-channel grouped audio output (Phoenix)
Maximum audio output	LINE OUT: +20 dBu unbalanced, BLANCE OUT: +20 dBu balanced MIXER OUT: +20 dBu balanced, AUDIO OUT 1:4: +20 dBu balanced
Output impedance	>1kΩ
Central control method	RS-232
PC communication method	TCP/IP
Camera control method	RS-485
Wired congress terminal interface	RJ45×4, adopt own power supply protocol
Network Interface	RJ45×2, support standard POE power supply
Recording interface	USB (U disk format: FAT32)
Recording file size	0.8M/min
Supported cameras	8 (SD)
Video input interface	RCA×8(1Vp-p 75Ω)
Video output interface	RCA×4(1Vp-p 75Ω)
Camera Tracking Protocol	PELCO-P/PELCO-D/VISCA
Display	OLED (61mm×37mm)
Installation	Desktop or 19' cabinet installation
Power Supply	AC100~240V~50/60Hz
Maximum power consumption	300W
Dimensions (L×W×H)	483×437×90mm
Weight	8.9kg
Operating temperature	-0~45°C
Storage temperature	-20~50°C

Power Hub HUB-P150S

■ Developed based on LINUX operating system platform, full digital audio technology, built-in high-performance CPU processing core, high-speed DSP digital audio processor, CD-level sound quality

■ With the conference server, it is used to expand the connection to the conference terminal, and can amplify the communication signal to meet the power supply requirements and data communication requirements of large conference systems

■ The system adopts distributed power supply management, and a single power HUB can mount up to 45 conference terminals (the number of loaded devices will increase or decrease according to the terminal model, usage conditions, line length and other factors), by connecting multiple power HUBs , conference server, which can form a large-scale system with a maximum capacity of 65025 seats, and the power HUB can be centrally controlled and managed through the conference server

■ Conference terminal, power HUB, conference server and other equipment are all connected by network cable, which is easy for wiring and convenient for construction management

■ Support ring hand in hand, star, hybrid three connection methods, the failure of one extension will not affect the work of other extensions in the system, and the failure of a connection between extensions will not affect the system, ensuring the system stable and reliable

■ Automatic restoration function: supports hot plug.

■ The serial-number is one and only, the congress system supports automatically or manually assign ID to the corresponding equipment.

■ 5 terminal connection ports and 2 extended connection ports for HUB

■ It has the function of switching on and off synchronously with the conference server

■ Built-in conference terminal automatic detection mechanism, which can self-check the running status of each terminal of the system before the conference

■ LED lights with working status indication, automatic detection of voltage, current and temperature status, support for overload and high temperature automatic protection, and automatic upload of working status through the network

■ Connect with computer and use with system control software, with more functions

■ Real-time monitoring of system operation status, timely notification of system equipment failures, escorting important meetings

Technical Parameters

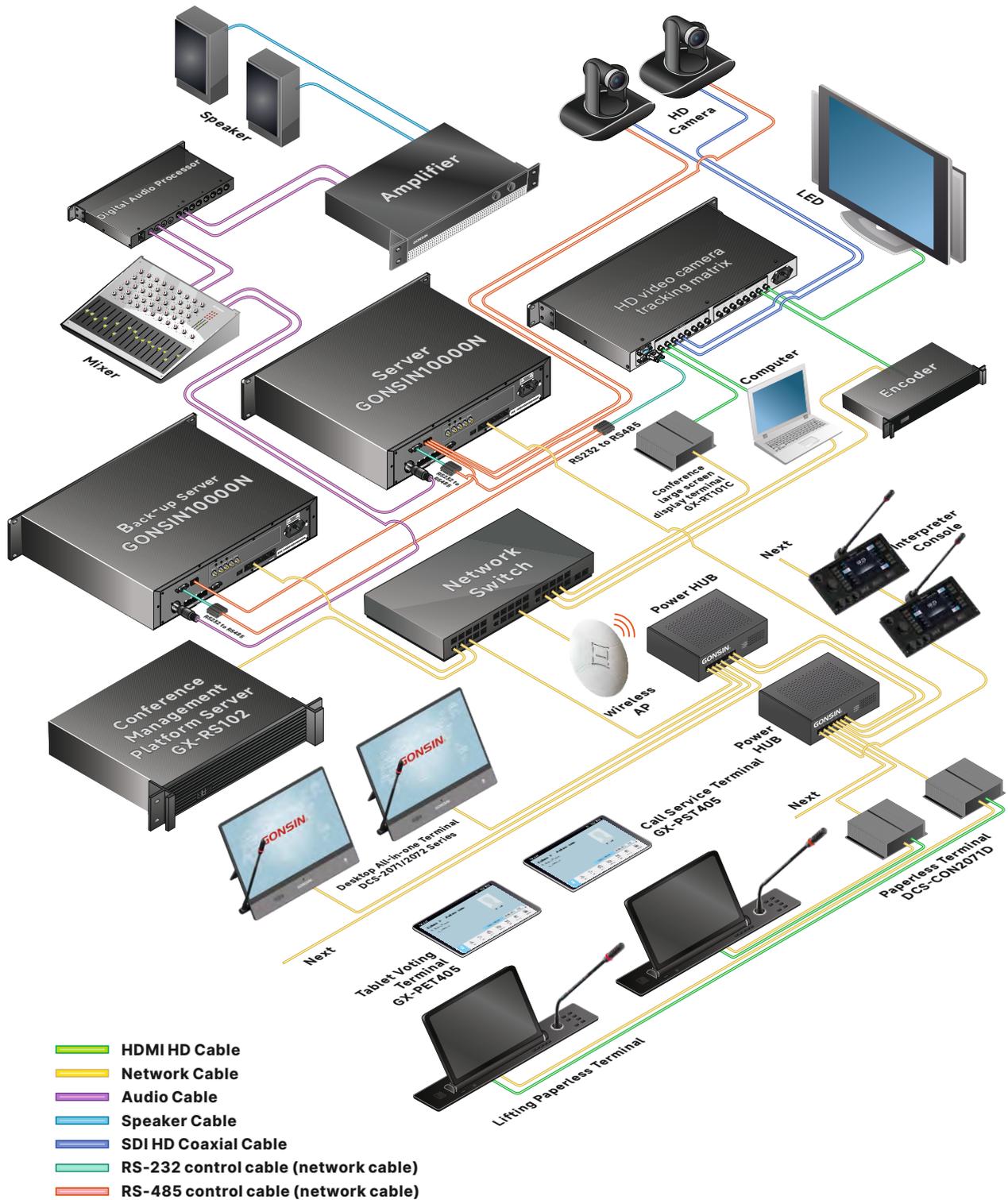|	
Standard Capacity	45 of conference terminals
	(the number of terminals depends on the terminal model, usage conditions, cable length and other factors)
Status Indication	LED indicator
Power	AC 100~240V,50/60Hz
Max Power Consumption	150W
Terminal Connection Port	RJ45×7
Operating Temperature	Hidden installation or cabinet installation, support 2 HUBs side-by-side cabinet
Storage Temperature	238mm×165mm×45mm
Dimensions(L×W×H)	2kg
Installation	0~45°C
Weight	-20~50°C

Power Hub Cabinet Installation Accessories
GX-HUB02

Dimensions (L x W x D)	483x40x4mm

Power Adapter
GM95-240400-F

Color	Black
Voltage Input	AC100V~240V, 50~60Hz
Voltage Output	DC12V , 3A

System Configuration

HDMI HD Cable
Network Cable
Audio Cable
Speaker Cable
SDI HD Coaxial Cable
RS-232 control cable (network cable)
RS-485 control cable (network cable)

16
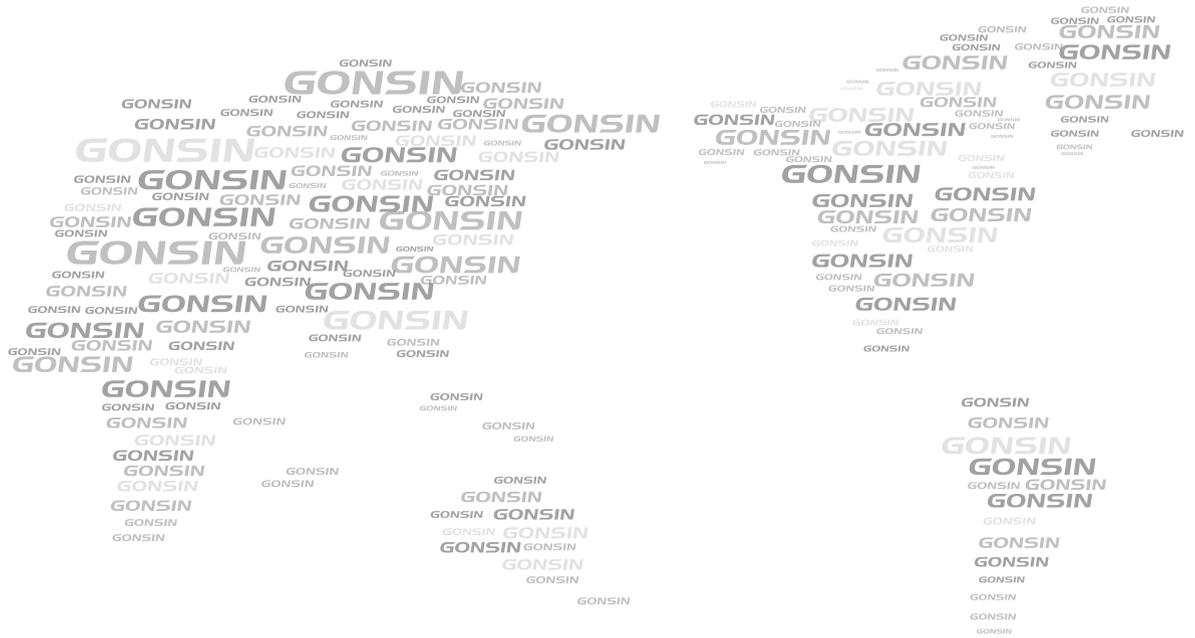
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