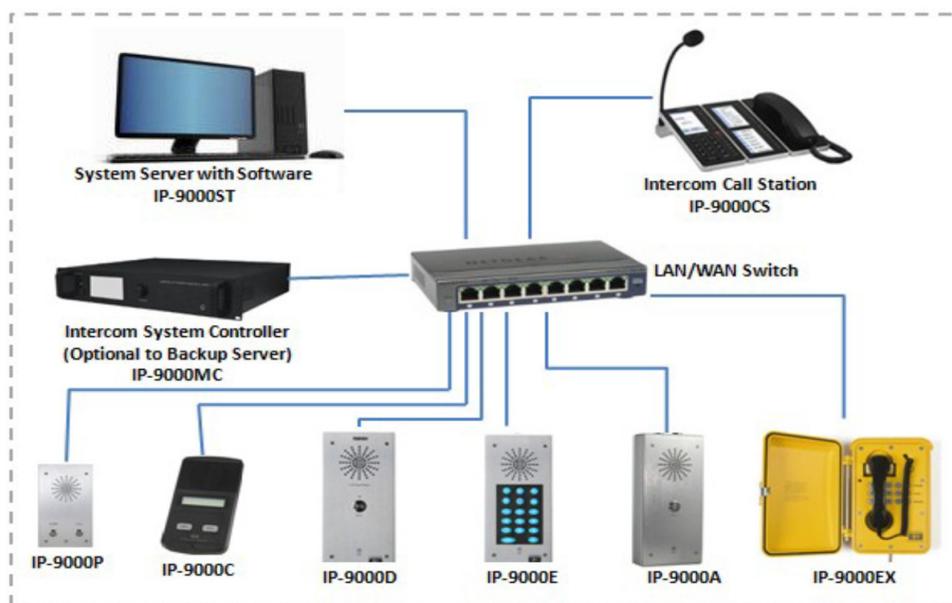


IP-9000

IP Network Audio System

Features:

- ✓ Two way full duplex intercom and communication system.
- ✓ Ideal communication system for bank, prison, hospital, school, airport, telecommunication & metro station.
- ✓ Low cost for set up and no cost for maintenance. The system could be built up over existing LAN/ WAN & Internet network, no need dedicated network. Free on-line system set up and diagnose, each equipments status online monitoring and failure alert.
- ✓ Optional function: Telephone paging system, BGM, remote paging system, power management, program scheduled control, inter-work with third party system like CCTV, door access, parking system etc.
- ✓ Full duplex technology with echo canceller and feedback suppressor.
- ✓ Two way intercom system enable multiple parties to communicate simultaneously.
- ✓ Cryptographic communication by exclusive audio encoding way to avoid eavesdrop.
- ✓ Network data delay is less than 30 milliseconds, Each program takes only bandwidth of 34kbps.
- ✓ Strong anti-interference with electromagnetic wave.
- ✓ Capacity of 1,000 terminal adapters online with 1,000 different programs simultaneously.
- ✓ Sound output quality level nearly to CD level of 44.1k, 16bits.
- ✓ Easy system expansion by adding more intercom panel.
- ✓ Minimum cost for system maintenance over network by remote trouble shoot service.
- ✓ Intercom system capacity to work together with IP voice alarm system and IP network PA system.
- ✓ Backup system of server and embedded controller to standby the system to avoid any failure.
- ✓ Hand-free & PPT both two way communication and intercom system.
- ✓ Multiple intercom units working together as meeting system.
- ✓ Call station could monitor the intercom panel working environment.
- ✓ The intercom communication will be automatically recorded to the server.
- ✓ With log in, alarm and intercom call event check and print out.
- ✓ Industrial chip to support 24 hours run on and anti-virus technology.



Functions:

Talkback	Hand-free Talkback	Hand free to talkback
	Headphone Talkback	Earphone talkback in high noise environment.
	PTT Talkback	Push to talkback
Multiple Parties	Conference Mode	Support 15 parties to discuss simultaneously.
	Command Mode	Support 30 levels command priorities
Call	Zone call	Direct selected zone call
	Dial-up	Dial up to call the target
	Group Call	Direct selected group zones call
Call Answer	Auto Answer	Auto answer after ring chime
	Manual Answer	Continuous ring until manual answer
	Agent Answer	The call will be forwarded the agent when the target is busy.
Call Forward	Busy Forward	The target call station busy will forwarded to its agent.
	Power off Forward	The target call station power off, the call will be forwarded to its agent.
	No Answer Forward	The target call station no answer after several ring, the call will be forwarded to its agent.
	Timely Forward	The call will be forwarded to its agent within the pre-set period.
	Manual Forward	Manual forward the call to its agent.
Priority	Priority Call	Higher priority party can override the communication.
	Queue Up	Same priority level queue up and auto communicate once the target call station is available within 30 seconds.
	Forced Termination	The administrator could terminate the communication freely.
Monitor		To monitor the working environment by the intercom panel built-in loudspeaker.
Background Music		Sever could send online or scheduled background music over the intercom panel built-in loudspeaker.
External Control		Control input and output for door access or emergency button.
Digital Recording		The two way intercom communication will be automatically recorded to the server.
Optional Interface	Wireless Walkie-talkie	With walkie-talkie interface could inter-work with 403MHz to 470MHz receiver.
	Wireless Telephone	With wireless telephone interface could inter-work with DECT wireless telephone.
	PABX	With PABX interface could work with telephone system.



Features:

- ✓ Center of IP network audio system and IP intercom system.
- ✓ Support Windows 2000, Windows XP and Windows 7.
- ✓ All display in English.
- ✓ Built-in system set up, system monitor, media player, program timer, system memory functions.
- ✓ Cloud broadcast Mp3 file online, scheduled and matrix at pre-set time to designated loudspeaker zones.
- ✓ All equipments working status could be monitored and displayed on this software.
- ✓ Flexible multiple level loudspeaker zone definitions, end-user can define loudspeakers into as many as possible zones at the same time.
- ✓ Built-in weekly timer could broadcast pre-recorded voice message, bell, song to selected zones by trigger contact or manually operation.
- ✓ The head equipment to encode analog sources into digital source to be transferred over network.
- ✓ Support max 5 different sound cards for simultaneously sources collection
- ✓ One software packet includes administrator and branch server and alarm server.
- ✓ Graphic maps display for visually simple monitoring and operation.

IP-9000CS

IP Network Intercom Call Station



Description:

The IP network intercom call station is the main equipments to set up a network intercom system. With this call station, it is enable to make live speech to any selected intercom panel, while the built-in colorful LCD could display each intercom panel status. The call station is built-in microphone, monitor speaker so as two way intercom communication is available. There is built-in chime before announcement, gooseneck red ring indicator light on means microphone is working. Support more than 300 call stations for one system, each call station could be set up with nine levels of different priorities. It is designed with one aux input and one aux output. It is powered by DC 9V, so a DC power adapter is included in the packing. Support LAN/WAN and Internet network.

Features:

- ✓ The IP network intercom call station is the head of IP/TCP intercom system.
- ✓ The call station is used to direct speech to intercom panel and also answer the intercom raised by the intercom panel.
- ✓ Ideal solution for school classroom, hospital, hotel, military, factory, train station and airport.
- ✓ Individual zone, group zones, selected zones and all zones different paging modes.
- ✓ Max support 64,000 call stations working at the same time.
- ✓ Built-in 4.3" colorful LCD in English display each intercom panel status, power and zone selection indicator.
- ✓ Built-in SD memory card could be used as voice message to be assigned to any target intercom panel
- ✓ With one contact input and one contact output to communicate with third party system
- ✓ Option to add extension panel with 16 programmable short cut buttons.
- ✓ With nine levels of priority, start time less than 0.1 second.
- ✓ With one aux input and one aux output for external active speaker for monitor use.
- ✓ Network data delay of less than 100 milliseconds.
- ✓ It is powered by DC9V, the power adapter is included. Support LAN/WAN and Internet network.

Specification:

Model	IP-9000CS
Description	IP Network Intercom Call Station
Power Supply	DC 9V
Power Consumption	5W
Network Protocol	TCP, UDP, ARP, ICMP, IGMP
Network Speed	10/100Mbps
Audio Sampling	8KHz-44.1KHz, 16 bits
Transmission Rate	8Kbps to 320Kbps
S/N Ratio	≥90dB
Frequency Response	20Hz-20KHz
Data Delay	100 milliseconds
Display	TTF 4.3" colorful LCD, 480×272 resolution
Connector	One line input, one line output & one RJ45 port for LAN, one contact input and one contact output
Dimensions	274(W)×100(D)×65(H)mm

IP-9000C

IP Network Mini Indoor Intercom Panel



Features:

- ✓ Ideal solution for school classroom, hospital, hotel, military, factory, train station and airport.
- ✓ Mini compact intercom panel with LCD display.
- ✓ Economy range IP intercom panel.
- ✓ Intercom panel built-in speaker, microphone.
- ✓ PPT and call two types full duplex two way communication system.
- ✓ It can start the communication to the call station by pressing the call button, the call station will be reminded with ring call and indicator as which intercom panel from where is calling. The call will be automatically transferred to next call station once busy, no answer or fault occurred.
- ✓ With one contact output and contact input for third party communication.
- ✓ With earphone monitor output by 3.5mm phone jack type.
- ✓ Non dedicated network is needed, the system could be easily built-up over existing LAN/WAN network.
- ✓ Embedded server Lynux technology with two ARM and DSP high speech chip.
- ✓ Max support 64,000 call stations working at the same time.
- ✓ Start time less than 0.1 second.
- ✓ Network data delay of less than 100 milliseconds.
- ✓ It is powered by DC12V, the power adapter is included.

Specification:

Model	IP-9000C
Description	IP Network Mini Indoor Intercom Panel
Power Supply	DC 12V
Power Consumption	5W
Network Protocol	TCP, UDP, ARP, ICMP, IGMP
Network Speed	10/100Mbps
Audio Sampling	8KHz-44.1KHz, 16 bits
Transmission Rate	8Kbps to 320Kbps
S/N Ratio	≥90dB
Frequency Response	20Hz-20KHz
Data Delay	100 milliseconds
Display	2" LCD in English
Connector	One Mic input, one line output & one RJ45 port for LAN, one contact input and one contact output
Dimensions	198(W)×105(D)×45(H)mm

IP-9000P

IP Network Mini Intercom Panel with SD



Features:

- ✓ Ideal solution for prison, hospital, hotel, military, factory, train station and airport.
- ✓ Mini compact intercom panel with minimum size of 6mm aluminum material.
- ✓ Economy range IP intercom panel at effective cost.
- ✓ Both surface or embedded mounting ways with supplied mounting box.
- ✓ Intercom panel built-in speaker, microphone.
- ✓ PPT and call two types full duplex two way communication system.
- ✓ It can start the communication to the call station by pressing the call button, the call station will be reminded with ring call and indicator as which intercom panel from where is calling. The call will be automatically transferred to next call station once busy, no answer or fault occurred.
- ✓ With one contact output and contact input for third party communication.
- ✓ Built-in SD card, the inside voice message could be triggered by network or contact input.
- ✓ Non dedicated network is needed, and the system could be easily built-up over existing LAN/WAN network.
- ✓ Embedded server Lynux technology with two ARM and DSP high speech chip.
- ✓ Max support 64,000 call stations working at the same time.
- ✓ Start time less than 0.1 second.
- ✓ Network data delay of less than 100 milliseconds.
- ✓ Waterproof rate level of IP54.
- ✓ It is powered by DC12V, the power adapter is included.

Specification:

Model	IP-9000P
Description	IP Network Mini Intercom Panel with SD
Mounting	Support both surface or embedded by supplied mounting box
Power Supply	DC 12V
Power Consumption	5W
Network Protocol	TCP, UDP, ARP, ICMP, IGMP
Network Speed	10/100Mbps
Audio Sampling	8KHz-44.1KHz, 16 bits
Transmission Rate	8Kbps to 320Kbps
S/N Ratio	≥90dB
Frequency Response	20Hz-20KHz
Waterproof Rate	IP54
Data Delay	100 milliseconds
Display	2" LCD in English
Connector	One Mic input, one line output & one RJ45 port for LAN, one contact input and one contact output
Dimensions	208(W)×116(D)×55(H)mm

IP-9000D

IP Network Classic Intercom Panel



Features:

- ✓ Ideal solution for outdoor or indoor two way communication system in park, school, factory, rain station and airport.
- ✓ IP network intercom system very suitable for big scale installation system whether by CAT5 able or fiber optical cable.
- ✓ Aluminum finish with damage proof screw fixing up.
- ✓ Both surface and embedded mounting ways with supplied mounting box.
- ✓ Classic range high quality IP intercom panel.
- ✓ Intercom panel built-in speaker and microphone.
- ✓ Full duplex two way communication system.
- ✓ It can start the communication to the call station by pressing the call button, the call station will be reminded with ring call and indicator as which intercom panel from where is calling. The call will be automatically transferred to next call station once busy, no answer or fault occurred.
- ✓ With one contact output and contact input for third party communication.
- ✓ Non dedicated network is needed, the system could be easily built-up over existing LAN/WAN network.
- ✓ Embedded server Lynux technology with two ARM and DSP high speech chip.
- ✓ Max support 64,000 call stations working at the same time.
- ✓ Start time less than 0.1 second, network data delay of less than 100 milliseconds.
- ✓ Waterproof rate of IP54.
- ✓ It is powered by DC12V, the power adapter is included.

Specification:

Model	IP-9000D
Description	IP Network Classic Intercom Panel
Mounting	Support both surface or embedded by supplied mounting box
Power Supply	DC 12V
Power Consumption	5W
Network Protocol	TCP, UDP, ARP, ICMP, IGMP
Network Speed	10/100Mbps
Audio Sampling	8KHz-44.1KHz, 16 bits
Transmission Rate	8Kbps to 320Kbps
S/N Ratio	≥90dB
Frequency Response	20Hz-20KHz
Waterproof Rate	IP54
Data Delay	100 milliseconds
Display	2" LCD in English
Connector	One Mic input, one line output & one RJ45 port for LAN, one contact input and one contact output
Dimensions	255(W)×115(D)×50(H)mm

IP-9000A

IP Network Weatherproof Intercom Panel



Features:

- ✓ Ideal solution for outdoor or indoor two way communication system in noisy, dusty, high temp and acid or alkaline environment.
- ✓ IP network intercom system very suitable for big scale installation system whether by CAT5 cable or fiber optical cable.
- ✓ Aluminum finish with damage proof screw fixing up.
- ✓ Both surface and embedded mounting ways with supplied mounting box.
- ✓ Classic range high quality IP intercom panel.
- ✓ Intercom panel built-in speaker and microphone.
- ✓ Full duplex two way communication system.
- ✓ It can start the communication to the call station by pressing the call button, the call station will be reminded with ring call and indicator as which intercom panel from where is calling. The call will be automatically transferred to next call station once busy, no answer or fault occurred.
- ✓ With one contact output and contact input for third party communication.
- ✓ Non dedicated network is needed, the system could be easily built-up over existing LAN/WAN network.
- ✓ Embedded server Linux technology with two ARM and DSP high speech chip.
- ✓ Max support 64,000 call stations working at the same time.
- ✓ Start time less than 0.1 second, network data delay of less than 100 milliseconds.
- ✓ Waterproof rate of IP54.
- ✓ It is powered by DC12V, the power adapter is included.

Specification:

Model	IP-9000A
Description	IP Network Weatherproof Intercom Panel
Mounting	Support both surface or embedded by supplied mounting box
Power Supply	DC 12V
Power Consumption	5W
Network Protocol	TCP, UDP, ARP, ICMP, IGMP
Network Speed	10/100Mbps
Audio Sampling	8KHz-44.1KHz, 16 bits
Transmission Rate	8Kbps to 320Kbps
S/N Ratio	≥90dB
Frequency Response	20Hz-20KHz
Waterproof Rate	IP54
Data Delay	100 milliseconds
Display	2" LCD in English
Connector	One Mic input, one line output & one RJ45 port for LAN, one contact input and one contact output
Dimensions	255(W)×115(D)×50(H)mm

IP-9000E

IP Network Classic Sub Master Intercom Panel



Features:

- ✓ Ideal solution for outdoor or indoor two way communication system in park, school, factory, rain station and airport.
- ✓ IP network intercom system very suitable for big scale installation system whether by CAT5 cable or fiber optical cable.
- ✓ Aluminum finish with damage proof screw fixing up.
- ✓ Both surface and embedded mounting ways with supplied mounting box.
- ✓ Classic range high quality IP intercom panel.
- ✓ Intercom panel built-in speaker and microphone.
- ✓ Full duplex two way communication system.
- ✓ It can start the communication to the call station by pressing the call button, the call station will be reminded with ring call and indicator as which intercom panel from where is calling. The call will be automatically transferred to next call station once busy, no answer or fault occurred.
- ✓ The sub master intercom panel IP-9000E could direct call any intercom panel without permission, it also can start the intercom to others sub master panel or call station.
- ✓ With one contact output and contact input for third party communication.
- ✓ Non dedicated network is needed, the system could be easily built-up over existing LAN/WAN network.
- ✓ Embedded server Lynux technology with two ARM and DSP high speech chip.
- ✓ Max support 64,000 call stations working at the same time.
- ✓ Start time less than 0.1 second, network data delay of less than 100 milliseconds.
- ✓ Waterproof rate of IP54.
- ✓ It is powered by DC12V, the power adapter is included.

Specification:

Model	IP-9000E
Description	IP Network Classic Sub Master Intercom Panel
Mounting	Support both surface or embedded by supplied mounting box
Power Supply	DC 12V
Power Consumption	5W
Network Protocol	TCP, UDP, ARP, ICMP, IGMP
Network Speed	10/100Mbps
Audio Sampling	8KHz-44.1KHz, 16 bits
Transmission Rate	8Kbps to 320Kbps
S/N Ratio	≥90dB
Frequency Response	20Hz-20KHz
Waterproof Rate	IP54
Data Delay	100 milliseconds
Display	2" LCD in English
Connector	One Mic input, one line output & one RJ45 port for LAN, one contact input and one contact output
Dimensions	255(W)×115(D)×50(H)mm

IP-9000EX

IP Network Explosion-Proof Telephone Intercom

Features:

- ✓ Ideal solution for outdoor or indoor two way communication system in noisy, dusty, high temp and acid or alkaline environment.
- ✓ Telephone type IP intercom system with locked door which is design for coal mine, copper mine, nuclear power station and hydropower station.
- ✓ IP network intercom system very suitable for big scale installation whether by CAT5 cable or fiber optical cable.
- ✓ Steel alloy finish with damage proof screw fixing up to ensure explosion-proof level.
- ✓ Surface mounting way with supplied mounting box. Classic range high quality IP intercom panel.
- ✓ Intercom panel built-in speaker and telephone type microphone.
- ✓ Built-in low impedance 60W digital class-D amplifier to power external loudspeaker.
- ✓ The sub master intercom panel IP-9000EX could direct call any intercom panel without permission, it also can start the intercom to others sub master panel or call station.
- ✓ It can start the communication to the call station by pressing the call button, the call station will be reminded with ring call and indicator as which intercom panel from where is calling. The call will be automatically transferred to next call station once busy, no answer or fault occurred.
- ✓ With one contact output and contact input for third party communication.
- ✓ With one contact output and contact input for third party communication.
- ✓ Non dedicated network is needed, the system could be easily built-up over existing LAN/WAN network.
- ✓ Embedded server Lynux technology with two ARM and DSP high speech chip.
- ✓ Max support 64,000 call stations working at the same time.
- ✓ Start time less than 0.1 second, network data delay of less than 100 milliseconds.
- ✓ Waterproof rate of IP54.
- ✓ It is powered by DC12V, the power adapter is included.



Specification:

Model	IP-9000EX
Description	IP Network Explosion-Proof Telephone Intercom
Rated Power Output	Class-D amplifier, 60WRMS, 8Ω
Mounting	Surface mount by supplied mounting box
Power Supply	DC 12V
Power Consumption	15W
Network Protocol	TCP, UDP, ARP, ICMP, IGMP
Network Speed	10/100Mbps
Audio Sampling	8KHz-44.1KHz, 16 bits
Transmission Rate	8Kbps to 320Kbps
S/N Ratio	≥90dB
Frequency Response	20Hz-20KHz
Data Delay	100 milliseconds
Waterproof Rate	IP66
Working Temp	-30°C to +60°C
Humidity	10-90%
Connector	One line output & one RJ45 port for LAN, one contact input and one contact output and low impedance 8Ω speaker output
Dimensions	324(W)×215(D)×124(H)mm

IP-9000MC

IP Network Intercom Master Controller



Features:

- ✓ The master controller of IP network intercom system.
- ✓ It is optional equipment to backup the system server software, after system software set up, the setting could be downloaded to this controller, so the controller could work stand alone without the PC and software.
- ✓ Ideal solution for small size multiple room network audio system like school, office and hospital.
- ✓ Multiple music programs could be matrix distributed from server to different zones.
- ✓ The IP network amplifier could be built-up over existing LAN/WAN network system, non-dedicated network system is needed.
- ✓ Design by real time embedded OS. Work stand alone from PC server.
- ✓ Fully back up the system to run once the PC server fails.
- ✓ Start time is less than 2 seconds.
- ✓ Design with 4" English colorful LCD, with menu control buttons.
- ✓ Capacity of 1,000 network adapters simultaneously online.
- ✓ Built-in audio encoder to encode the analog sources into network program, whose online data processing delay less than 10 ms.
- ✓ Built-in weekly timer to program pre-recorded message file from SD memory card to be timely broadcasted to the pre-set zone.
- ✓ Support IP PABX and IP voice alarm system when server disabled.
- ✓ With contact input and contact output for third party system.
- ✓ With one emergency microphone input on front panel with priority.
- ✓ With one line input and one line output.
- ✓ With SD card input as programmable sources.
- ✓ 19" rack mount design in 2U height.

Specification:

Model	IP-9000MC
Description	IP Network Intercom Master Controller
Power Supply	AC230V or 115V, 50-60Hz
Power Consumption	5W
Network Protocol	TCP, UDP, ARP, ICMP, IGMP
Network Chip Speed	10/100Mbps
Audio Format	Mp2/Mp3/PCM/ADPCM
Audio Sampling	8KHz-44.1kHz, 16bits, 8Kbps-32Kbps
Screen Display	English 4" colorful LCD, 320×240 resolution
S/N Ratio	>90dB
Frequency Response	20-20KHz
Data Delay	<100ms
Connector	Mic input, line input, line output, two contact inputs and one contact output, one RS422 interface
Dimension	483(W)×256(D)×88(H)mm