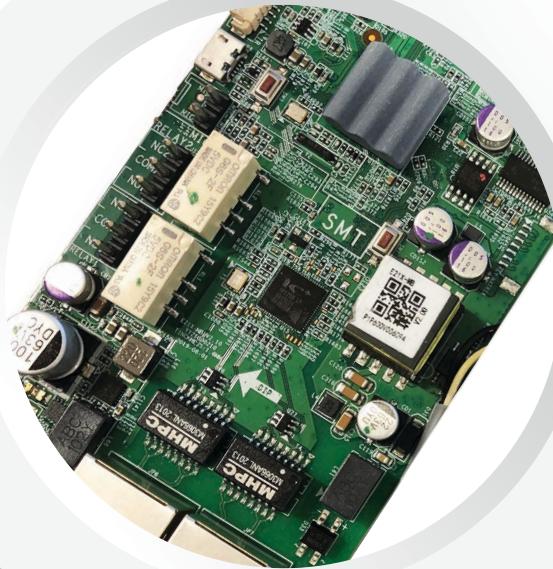




N-SP80SB

SIP Audio PCB Board



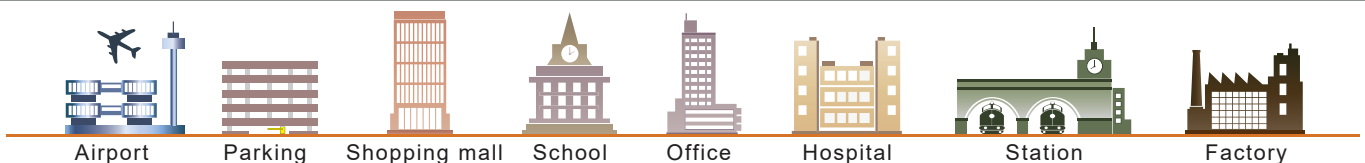
Flexible Audio Communications
Using Standard SIP Protocol

SIP Audio PCB Board

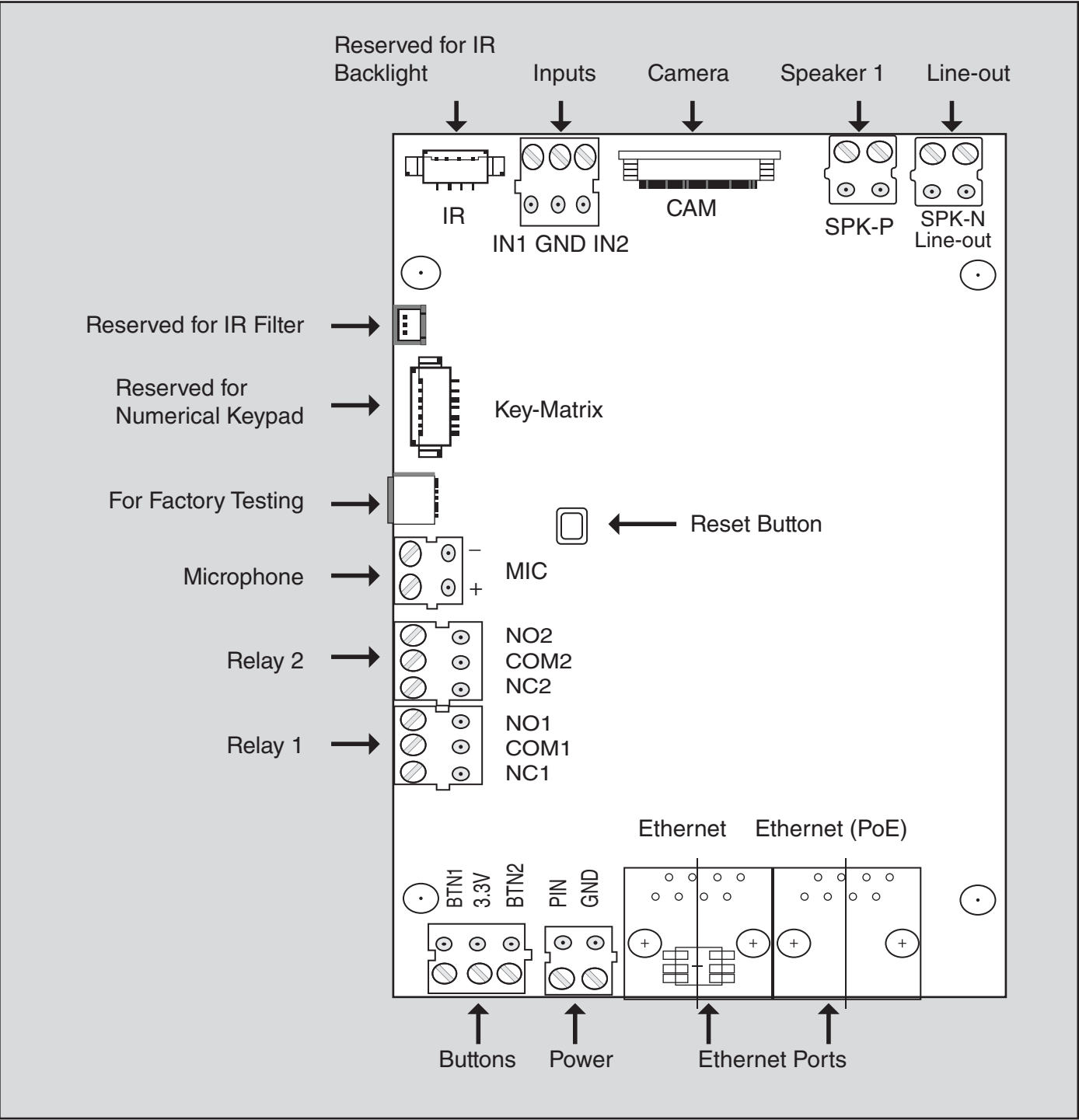
N-SP80SB is a SIP-compliant hands-free Voice over IP (VoIP) PCB board that offers flexible audio communications using standard SIP protocol for parking facilities, college campuses, medical centres, and industrial parks. It can integrate with external SIP compatible systems through a SIP server. Peer-to-Peer mode is also available for easy system configuration without a SIP server.

The N-SP80SB is designed to provide a clear and intelligible communication over an Ethernet network. It is equipped with an assignable call switch and two control relay outputs. Another feature includes a multicast audio stream for paging.

- Compatible with major audio codecs High-quality audio
- transmission
- Built-in AEC (Acoustic Echo Canceller) Full-duplex
- communication
- Two control relay outputs
- Easy Installation (mount behind the speaker)
- 1x Microphone (electret or dynamic microphone)

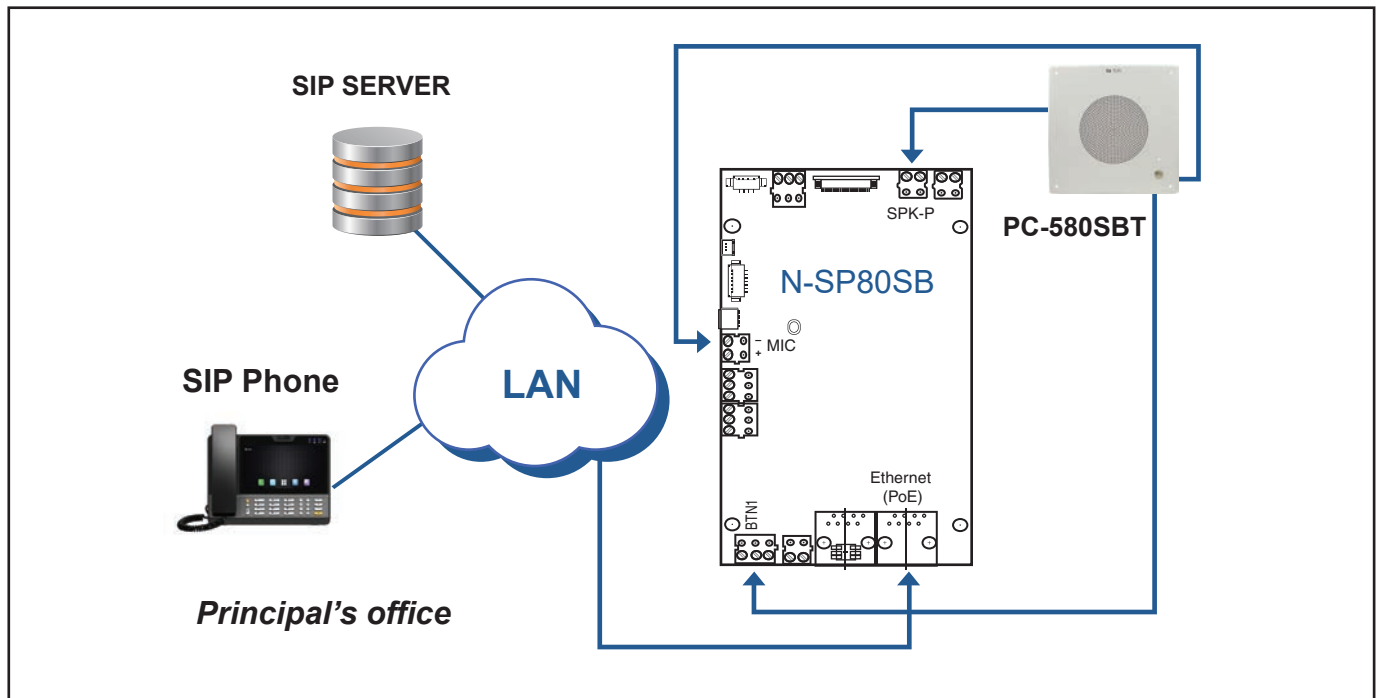


Outline Close up N-SP80SB

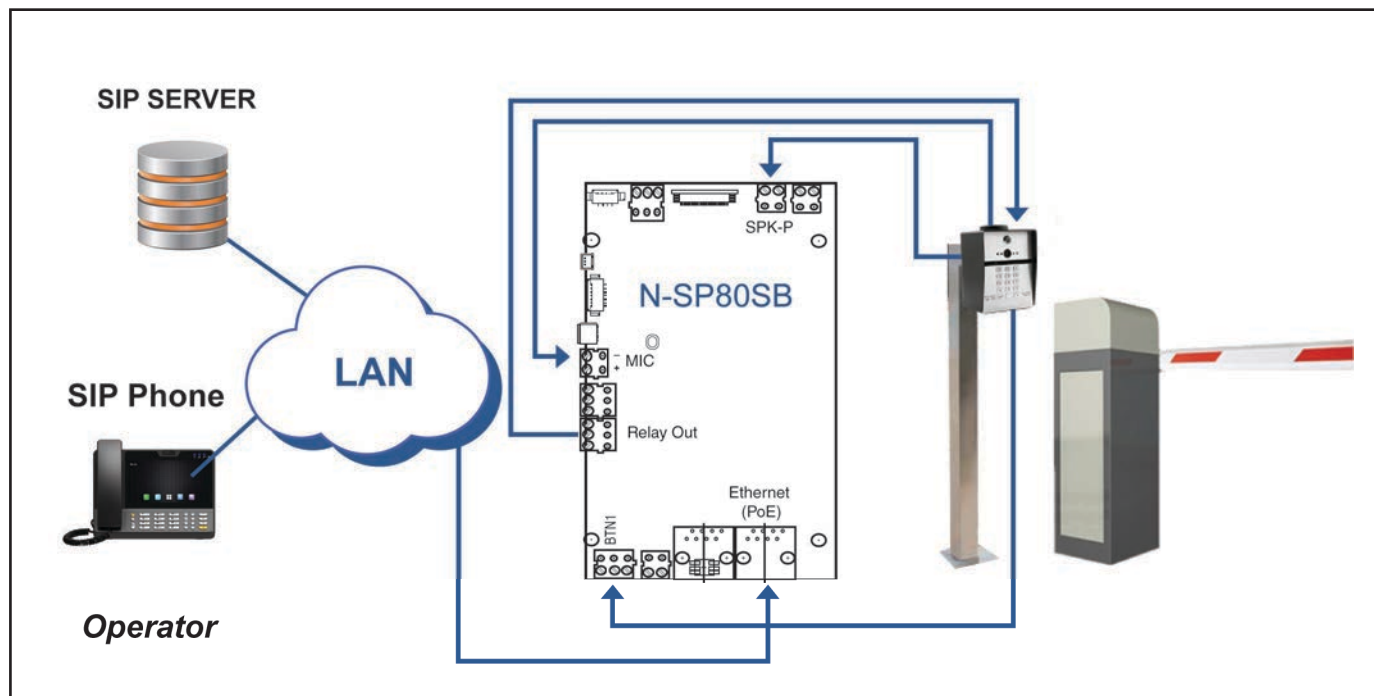


Application Example

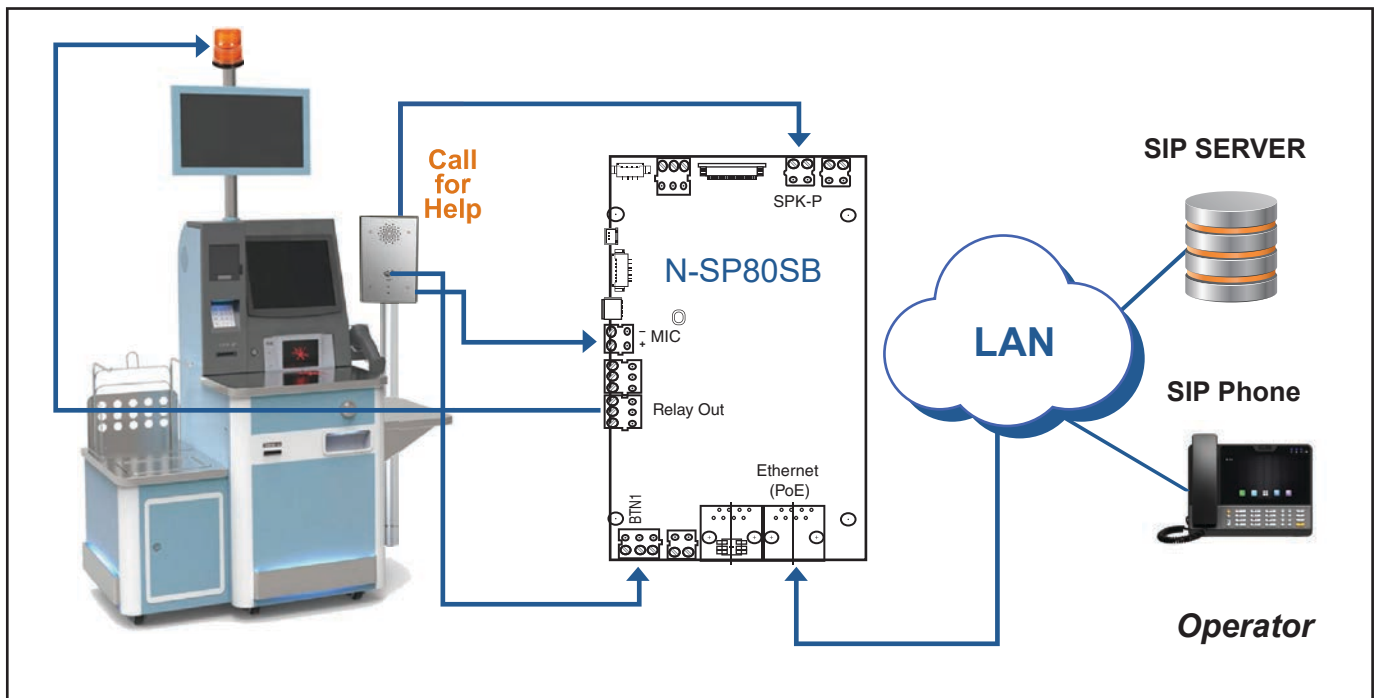
Classroom



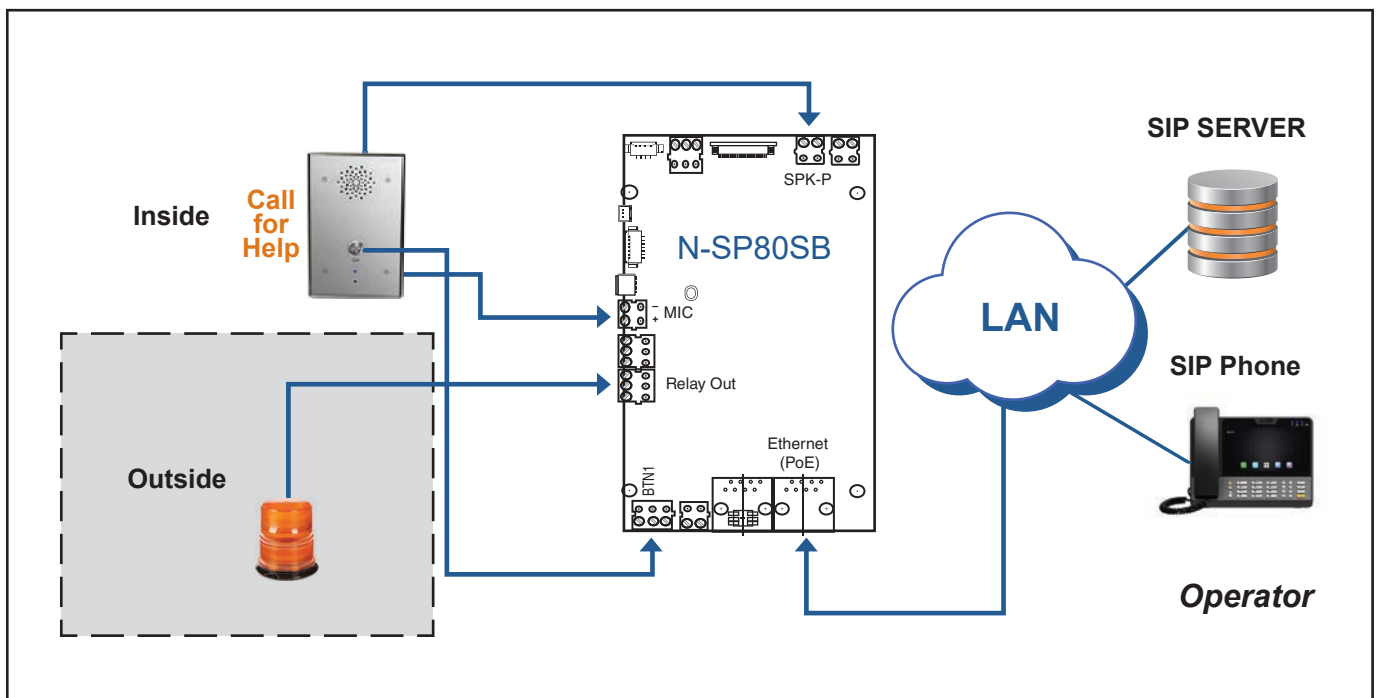
Parking Garage



Retail



Accessibility Area (Washroom Scenario)



SPECIFICATIONS

MODEL	N-SP80SB
Phone Features	Web support multi-language Auto-answer Volume control Direct IP call without SIP proxy Auto-Provision
Network Features	2x10/100Mbps Ethernet Port Security: Password Protection, IP address filtering, SIP over TLS, HTTPS encryption, user access log, SRTP (Secure RTP) Protocols support: IPv4, HTTP, HTTPS, FTP, SNMP, DNS, NTP, RTSP, RTP, TCP, UDP, ICMP, DHCP, ARP
SIP Features	SIP v1(RFC2543), SIP v2 (RFC3261) Audio codecs: G.711a, G.711 μ , G.722, G.729 Speech Quality: 7kHz Audio Echo Cancellation Voice Activation Detection Comfort Noise Generator
Inputs	1x Microphone (for electret or dynamic microphone)
Outputs	1x Speaker (2W @8 Ω) and 1x Line
Keyboard	Possibility for connection of 2 single buttons or a keypad
Control Input	2 channels, no-voltage make contact input, open circuit voltage: 5 V DC, short-circuit current: 10 mA or less
Control Outputs	2 channels, relay output, normal open/normal close output, withstand voltage: 30 V DC, control current: 1 A
Plug	pluggable screw terminals
IP Uplink/Downlink	Shielded RJ45 modular jacks
Power Supply	12VDC/1A or 24VDC/0.5A External Power Supply or PoE
PoE (Power over Ethernet)	IEEE 802.3af standard
Dimensions	115 (H) x 65(W) x 16(D)mm (4.52" x 2.55" x 0.629")
Operating Temperature	-20°C ~ +55°C
Storage Temperature	-20°C ~ +70°C
Relative Humidity	Up to 95% not condensing