BOGEN®

Nyquist Zone Paging Microphone Station
(Model NQ-ZPMS-G2)

Description

The Bogen NQ-ZPMS-G2 Zone Paging Microphone Station is primarily designed for high zone-count commercial applications (e.g., transportation hubs, etc.), wherever a lot of zone paging occurs, or where a flexible microphone station is desired. It functions as an alternative to the NQ-T1100 Admin Phone.

The phone's color touchscreen provides rapid, efficient, and reliable control over many Nyquist features, such as launching pages, announcements, audio distributions, routines, tones, and managing school/site bell schedules. Its flexible gooseneck microphone, coupled with quick access to a large number of soft zone page buttons, makes it ideal for "busy" hands-free paging applications with lots of paging zones, such as schools, transportation terminals or large commercial facilities.

Key Features & Benefits

HD Audio

G.722 and OPUS wideband audio codecs provide superior acoustic performance and delivers HD-quality audio that characterizes Bogen Nyquist systems. The NQ-ZPMS-G2 delivers this audio quality in high traffic network environments with built-in Noise Reduction and Full-duplex Acoustic Echo Cancellation.

Simple Customization and High Expandability

The NQ-ZPMS-G2 has a ten-inch, 1280 x 800-pixel, color touch-screen, allowing clear, visual presentation, easy menu navigation, and video call capabilities. The phone has 116 one-touch DSS keys which can be programmed to various features.

Operating System

Built on the very stable Android 9.0 operating system, the NQ-ZPMS-G2 can reduce the cost of operation and maintenance due to stable operation while providing better compatibility and scalability for future access to more systems and devices.

Additional Features

Highlighted Features

- 116 one-touch DSS keys on 10.1" capacity color touch screen
- HD audio on speaker and handset
- Built-in Bluetooth 5.0 and 2.4G/5G Wi-Fi
- Dual Gigabit ports, integrated PoE
- Stand with 2 adjustable angles of 40 and 50 degrees

Operating System

- Android 9.0 OS with higher security and better compatibility
- Built-in Applications: Files, Calendar, Gallery, Browser, Email, Calculator, Notepad, Sound Recorder, Clock, Video, Music

Phone Features

- Call logs (In/out/missed, 1000 entries)
- Screen saver
- Voice Message Waiting Indication (VMWI)
- UI Programmable DSS/Soft keys
- Network Time Synchronization
- Built-in Bluetooth 5.0: Support Bluetooth headset/ Bluetooth of Mobile Device
- Built-in Wi-Fi | 2.4GHz, 802.11 b/g/n | 5GHz, 802.11 a/n/ac

Network

- Physical: 10/100/1000 Mbps Ethernet, dual bridged port for PC bypass
- IP Mode:IPv4
- IP Configuration: Static / DHCP
- Network Access Control: 802.1x
- VLAN

Audio Features

- HD Voice Microphone/Speaker (Handset/Hands-free, 0KHz - 7KHz Frequency Response)
- HAC handset
- Wideband ADC/DAC 16KHz Sampling
- Wideband Codecs: G.722 and OPUS
- Full-duplex Acoustic Echo Canceller (AEC)
- Noise Reduction (NR)
- Packet Loss Concealment (PLC)
- Dynamic Adaptive Jitter Buffer
- DTMF: In-band, Out-of-Band – DTMF-Relay(RFC2833) / SIP INFO

Call Features

- Mute / Unmute (Microphone)
- Call Hold / Resume
- Call Waiting
- Intercom
- Caller ID Display
- Speed Dial
- Call Forwarding (Always/Busy/No Answer)
- Call Transfer (Attended/Unattended)
- Call Parking/Pick-up (Depending on server)
- Redial
- Auto-Answering
- BLF

Management

- Auto-Provisioning via Nyquist server for mass deployment
- Web Management Portal

Package Contents

- Bogen NQ-ZPMS-G2 Zone Paging Microphone Station
- Handset with handset cord
- Attachable Stand
- Quick Start Guide

Operating System (OS)	
Type	Android® 9.0

Phone	
Local Phonebook Size	2000
Supported Protocols	SIP2.0 over UDP/TCP/TLS, RTP/RTCP/SRTP, STUN, DHCP, CDP, LLDP, 802.1x, SNTP, FTP/TFTP, HTTP/HTTPS, TR-069
SIP Lines	20
Power Supply	PoE or PoE+
Bluetooth Headset Compatible	Yes
DSS Key	Yes
Call Log Depth	1000 entries
Bluetooth Version	5.0
WiFi	2.4GHz (902.11 b/g/n) 5GHz (902.11 a/n/ac)

Audio	
Microphone/Speaker Frequency Response	20Hz - 7kHz (minimum range)
Sampling Rate	16kHz
Supported Wide Band Codecs	G.722, OPUS
AEC	Full duplex
Gooseneck Mic Frequency Response	10Hz - 20kHz

Network	
Speed	10/100/1000 Mbs
Access Control	802.1x

Mechanical	
Screen	10.1" (1200 x 800)
Physical Keys	Volume Down, Volume Up, Home, Hands Free, Return
Handset Connector	RJ9
Headset Connector	RJ9
Operating Temperature	0 - 45C
Operating Humidity	10 - 95%

Dimensions	
Shipping Dimensions	12.71" x 11.95" x 2.90" (323 x 301 x 71 mm)

Applications

Healthcare   Transportation   Industrial/Warehouse   Education   Corporate

A & E Specifications

The Nyquist Zone Paging Microphone Station (Model NQ-ZPMS-G2) includes both a telephone handset and a flexible gooseneck microphone. The PoE powered station has a large 10.1" color touchscreen that shows the time and date when in an idle state and displays station numbers along with the call-in priority of staff stations that are calling in when defined as the Admin Phone for those staff stations. The NQ-ZPMS-G2 is designed to fit a wide variety of Nyquist applications including high zone-count facilities (e.g., transportation hubs, etc.), or wherever a lot of zone paging occurs to facilities where a flexible microphone station is desired. Capabilities are determined by station CoS programming, and some of the CoS options include Zone Paging, All-Call Paging, Emergency All-Call Paging, alarm signals, audio files, and external functions such as initiating routines. The 116 one-touch DSS keys are easy to program directly on the device or by using the station programming within the Nyquist UI. The NQ-ZPMS-G2 includes a stand with two adjustable angles of 40 and 50 degrees. Systems that do not provide these capabilities as a minimum shall not be considered equal.