



E7000 SERIES BY SYSTEM FEATURES

Administration/Staff FEATURES

- Unlimited District Station Capacity
- All Page for District-Wide Paging
- Emergency All Call Paging
- All Call Paging
- Zone Paging
- Unlimited Paging Zones
- Record page for immediate playback on hang-up
- Unlimited simultaneous paging calls
- Location Monitoring
(Modes: Spy, Whisper, Barge)
- Web-based GUI Dashboard
(Audio, Alarms, Announcements, Calling, Paging, Tones)
- Web-based GUI Directory Menus for Announcements, Alarms, Paging Zones, Stations, Tones
- Web User Interface: SIP Client (softphone) - allows calls, paging, etc., from Web UI
- Direct Select Intercom Calling
- Program Distribution
- System Status: Displayed on Admin Phones
- Executive override to access intercom paths
- Admin can override others and interrupt page
- Admin Groups: "Emergency" admin group
- Admin Phone Menus: Alarms, Announcements, Paging Zones, and Tones
- Direct select rooms from VoIP admin phone
- Page Exclusion (Ability to turn off paging into an area as needed, e.g., for testing, mtg's, etc.)

Audio Distribution FEATURES

- Unlimited Announcement Files
- Upload and Manage WAV & MP3 Announcement Files
- Audio Program Control via DTMF - Admin Phone
(i.e., Can turn on or off from phone)
- Toggle Music Sources On/Off
- GUI-based Program Distribution
- Playlists (with easy title drag-n-drop capability)
- Music Library with Meta Data
(e.g., Title, Artist, Album, Track, Length, Genre, Year)
- Music Import and Management
- Audio Distribution by Zone Type
- Record Announcements from an Admin Phone or Web UI

Analog Station Bridge FEATURES

- Built-in Amplification (max. 40W per port)
(Intercom, Paging, and Program Distribution)
- Support for 2 Simultaneous Intercom Calls per Analog Station Bridge (NQ-E7030)
- 24 Ports or Classrooms supported per Analog Station Bridge; unlimited number of ASBs supported per system
- Facilitates Head-End Replacement/Reuse of Existing Cable Infrastructure

Traditional Intercom

FEATURES

- Unlimited System Capacity
(The number of stations/ports on the system)
- Rollover to idle EOL in classroom on second call if one is busy
- Always an Answer
(Calls can be put into admin groups so call will always be answered.)
- Intercom Call-in
(From classroom call switch)
- Unlimited Simultaneous Intercom Calls (i.e. talk paths) per Facility
- Priority Paging Mic
(ability to have external Mic for emergency page)
- Unlimited Program Channels
- Unlimited # of Class Of Service (COS) Profiles
- Unlimited Audio Zones
- Emergency Call-in
(Emergency calls from classroom ring with special ring & alert)
- Call Assurance Audio File plays in room to confirm call (Analogous to Call Assurance LED)
- 3 Call Priorities for Call Switch
(Normal, Urgent, Emergency)
- Closed Contact Inputs for PLC Activation on Events
(Low-voltage contact closures that are used to call in)
- Relay Driver Output Controls
(Used to control events, e.g., open door, turn on lights, etc.)
- Emergency Call from Normal Call Switch
(If call is in progress, it can be up graded to emergency)
- Transfer Call from Room Speaker to Room Phone
(Call to ceiling speaker can be dropped to the phone for privacy)
- Change/Modify Preannounce Tone
- External Amplifier Support
(Ability to add amps for large wattage requirements)
- Analog Speaker Support (25V/70V)
- Analog Call Switch Support

Bell Schedule & Master Clocks

FEATURES

- Powerful, Innovative Web-based Scheduling Interface
- Unlimited Time Zones
- Master Clock Capability
- Unlimited # of Holiday Schedules
(Ability to change Bell Schedules so that tones and bells don't disturb surrounding areas when school is not in session)
- Ability to Sync to External Master Clock with Contact Closure
(can sync to or from an external source)
- NTP Server Support
(Ability to sync to an external NTP Server)
- Unlimited Bell Schedules
- Daylight Savings Time Auto-Adjust
(Switchable On/Off)
- Unlimited Schedule Events
- Daily and Monthly Calendar View
- Tones: Generate/Create Tones, Upload Tone, Manage Tones
- Upload Custom Bell Tones
- Class Change Music

IP Speaker Support

FEATURES

- Digital Call Switch (NQ-E7020)
- VoIP Ceiling Speaker (NQ-S1810CT)
- VoIP Wall Baffle Speaker (NQ-S1810WT)
- CAN Bus Device Support

IP Phone Support

FEATURES

- VoIP Admin Phone (NQ-T1100)
- VoIP Staff/Classroom Phone (NQ-T1000)

Configuration & Maintenance

FEATURES

- Web GUI Programming and Diagnostics (Ability to program and test from anywhere)
- Log File Viewing and Export (Server and System)
- Web GUI Station Status (Real-time status of VoIP devices)
- System Backup/Restore
- Automated/Scheduled System Backup
- GUI-based System Status (Current operations displayed on Dashboard)
- Monitoring of Server Status via SNMP
- Unlimited Definitions of Users, Roles, and Permissions
- Software Adjustable Paging Zone Volume
- Automatic VoIP Phone Provisioning

Security & Safety

FEATURES

- Play Pre-Recorded Message with Contact Closure (via NQ-E7010 I/O Controller program logic)
- Speed-Dial Access to Common System Features (Used to make system easy to use for Administrators)
- Take & Make Contact Closures (via NQ-E7010 I/O Controller)
- Contact Closure Puts System Into Page Exclusion (via NQ-E7010 I/O Controller program logic)
- Contact Closure Triggers an External Event (via output relay control on the NQ-E7010 I/O Controller)
- Contact Closure Triggers an Internal Event (via NQ-E7010 I/O Controller program logic)
- Call Recording and Playback (911, Emergency, Normal)
- Emergency Page with Pre-Programmed Messages (WAV, MP3) (ex. "There is a Fire Emergency, please exit building, this is not a drill.")

I/O Related Equipment

FEATURES

- Networked Matrix Mixer Pre-Amp (NQ-PO100) (External MIC, AUX, & Digital Audio Support)
- Networked I/O Controller (NQ-E7010)



Telephony

FEATURES

- VoIP Phone or Intercom Capability for All Stations
- Compatible with Enhanced 911 (FCC standard that tells 911 operator where a call is coming from: e.g., building or room location)
- Voice-Prompted Features (via embedded IVR functionality) (Users are instructed as to what the next step should be)
- Intercom Access from IP Phone System (SIP ATA or Tie-Line interface to IP-PBX)
- Voice-Prompted Call Forwarding Status (via embedded IVR functionality)
- Call Monitoring (Modes: Spy, Whisper, Barge, non-DISA)
- Call Parking
- Caller ID - Internal Calls
- Caller ID - External Calls
- Call Detail Recording: Display, Manage, and Export (No limit to record count)
- Call Conferencing
- Call or Page via Mobile Device: SIP Client Application
- Call or Page via Mobile Device: Web UI
- IP Phone Support (Bogen NQ-T1100 Admin Phone & NQ-T1000 Staff/ Classroom Phone)
- SIP Trunking to PSTN/Cloud or IP-PBX
- E911: 911 Call Routing to facilitate E911 Device ID mapping
- 911 Call Alerts: Notifications sent to Web UI and Admin Phones with option to monitor call
- 911 Dial Through (Provisioned via COS allows any authorized station to direct dial 911)
- Walking COS (Dial access & PIN code that allow any Administrator to pick up a classroom phone and have same features as their Admin phone)
- Trunk Queuing (Searches for first available outside line/trunk)
- Unlimited # of Admin Phones
- Analog CO Trunk Support (Analog phone lines from phone company)
- Automatic Time-of-Day Call Routing
- Unlimited # of Telephonic Talk Paths (# of simultaneous conversations)
- # of Architectural Room Numbers Displayed (# of digits used in the dial plan)
- Off-Site Call Transfer (Transfer calls to phone numbers outside of the system)
- Routing to an External Number (Provisioned via COS)
- Route selected call priorities (e.g., Emergency) to an external number (Provisioned via COS)
- Remote Call Pickup (Ability to answer a phone from anywhere in the building/facility)
- Voice Mail (Assignable to any station via COS)
- Analog Intercom Access from a PBX (via FXO or FXS ports)
- Voicemail Message Waiting Indication Light (on all Nyquist VoIP phones)
- Call Forwarding (Automatically sends calls to another station on the system)
- Unlimited COS Profiles
- DID Call Routing (Direct inward line routes to office phone)
- DISA Call Routing (Allows direct inward station access from outside the system)
- Security DISA Call Routing (Allows direct inward station access from outside the system using a passcode)
- Direct Dial to Any Station
- Password Protected Access to Admin Phone Features
- Ability to Place Normal or Emergency Calls
- Dial Out to CO/PABX/EKTS (Outgoing CO lines)
- Receive Outside Calls (CO/PABX/EKTS)