NEXEDGE SYSTEM INTERFACE

Mindshare NXIP Gateways provide direct digital IP communication between Mindshare Console Systems and Kenwood NEXEDGE® Radio Systems. These gateways implement Kenwood's NEXEDGE® IP Console Interface (NXIP) specifications for direct communication with NEXEDGE® systems.

Mindshare NXIP Gateways handle all NXIP specifics, including voice compression and decompression (vocoding), for the console system allowing console positions to function as part of the console system in a regular fashion without requiring special modifications to communicate with the NEXEDGE® Radio Systems.

BENEFITS

• Totally Digital Audio Path from Microphone to Speaker.
• No per-console licensing fee and no limit on the number of consoles allowed.
• Redundant server operation is supported for mission critical scenarios.
• Server support for additional simultaneous calls is field upgradeable.
• The very latest version of the DVSI AMBE+2™ algorithm for best audio quality.
• Linux based system for ultimate reliability and up-time.
• Web interface for setup and control allowing for the easiest possible configuration.
• Industry leading pricing and value.

FEATURES

• Group Calls
• Individual Calls (Console Position <-> Subscriber)
• Emergency Alarming and Remote Termination
• Subscriber Stun and Revive
• Call Alert (Paging Call)
• Remote Monitor
• Status Messaging
• Status Query
• Over the air aliasing (console and subscriber)
• GPS Location
• Kenwood Scrambler Encryption and Key Selection

• AES/DES Encryption
• Native Patching
• Primary/Backup System Connections (Trunking Only)
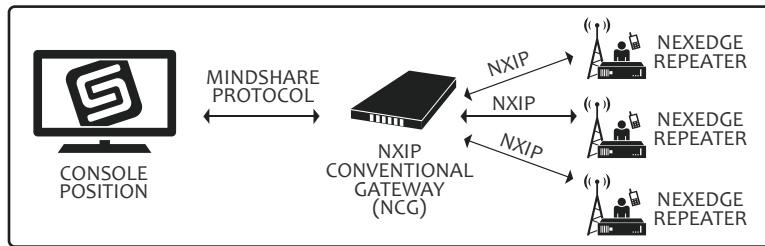• Supports analog FM calls over NXIP with NXR-1x00

ARCHITECTURES

Mindshare NXIP Gateways are available in two forms to meet the needs of two different system topologies. The Mindshare NXIP Conventional Gateway (NCG) is used to interface with a NEXEDGE® Conventional Radio System (CRS) while the Mindshare NXIP Trunking Gateway (NTG) is used to interface with a NEXEDGE® Trunking Radio System (TRS).

CONVENTIONAL
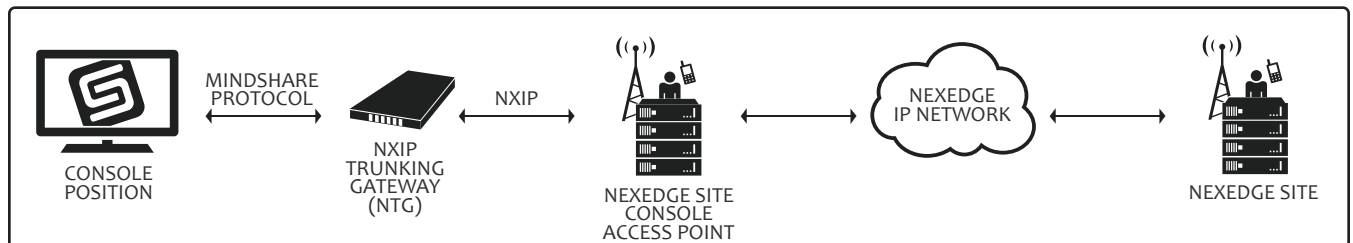A single NCG instance provides direct IP access to any number of NEXEDGE® repeaters.

TRUNKING
A NTG provides direct IP access to a single TRS regardless of the TRS generation.

1st Generation TRS
When connecting a NTG to a 1st generation NEXEDGE® TRS, the gateway interfaces with a single site in the TRS. More specifically, it is pointed at one of the repeaters at a site in the TRS. This repeater acts as the console system's access point to the TRS.

2nd Generation TRS
When connecting a NTG to a 2nd generation NEXEDGE® TRS, the gateway interfaces with an IP Gateway in the system. This gateway acts at the console system's access point to the TRS.