

NEXEDGE®

ABOUT:

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. An IP interface provides secure and cohesive system integration allowing console users full access to radio system features.

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.

Voice data is passed between Mindshare NXIP Gateways and Kenwood NEXEDGE® Radio Systems in its raw over the air form as AMBE+2™ vocoded compressed digital audio. Vcoders for Mindshare NXIP Gateways reside at the gateway server, with vocoding performed using DVSI's USB-3003 hardware dongle. This dongle implementation supports up to 3 simultaneous AMBE+2™ streams and utilizes the latest version of DVSI's voice compression algorithm to provide the very best audio quality possible. Unlike other vendors, which require a USB-3003, or outdated software library and licensing fee at every console, there is no such requirement with Mindshare. All consoles on the network can utilize Mindshare NXIP Gateways allowing transmit and receive operations with no additional software or licensing costs. Simply buy one server and every console can have a totally digital connection from microphone to earpiece. Simply add additional USB-3003 dongles to add more simultaneous streams support to Mindshare NXIP Gateways. Adding an additional console position is as simple as plugging it into the network and mapping the correct multicast addresses.

- 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 support for mission critical scenarios.
- All other Mindshare interfaces are available simultaneously, such as analog radio and telephony.
- 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.
- User IDs and Emergency is supported, along with private and group calls.
- Features a Web Based setup and control interface for the easiest possible configuration.
- Industry leading pricing and value.

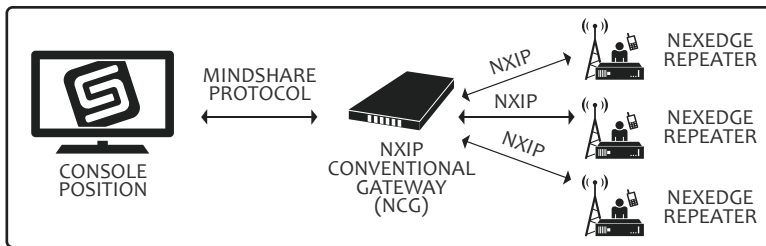


SUPPORTED ARCHITECTURES:

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

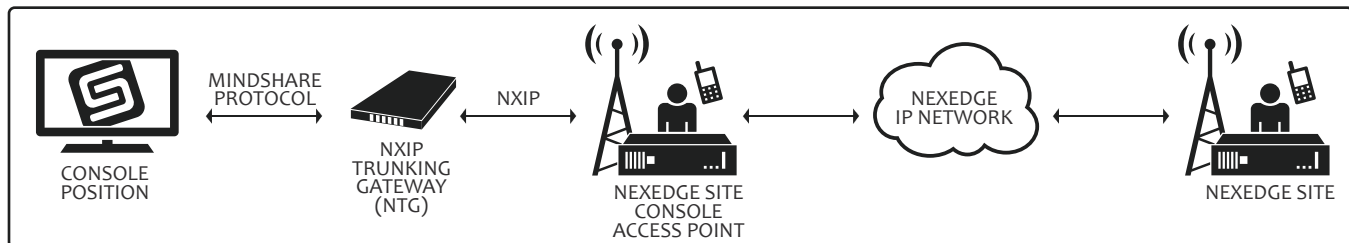
A single NCG instance provides direct IP access to any number of NEXEDGE® repeaters.



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.

