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Mindshare Console Features

Whether you're expanding dispatch positions or merging a remote network of wireless, trunked-radio, conventional 2-way radio or backbone legacy communication equipment, the IDS Mindshare VoIP radio-telephone console system supplies you the answer, and then some.

Designed to fully leverage your existing RF assets, the Mindshare product suite provides enhanced interoperability, network design flexibility and scalability. The Mindshare system's quick deployment, cost effectiveness and ease of maintenance meets the demands of highly centralized as well as distributed dispatch networks. The Mindshare system takes full advantage of today's VoIP and telephony technologies to ensure virtually seamless communications via Ethernet with legacy radio systems, trunked systems such as NTS Passport and Motorola's SmartNet, and even telephone systems. This insures universally seamless radio communication regardless of the status of your legacy equipment, relative network design sophistication and size.

The Mindshare system is built from console-interface to radio-interface to maximize your ability to effectively manage critical dispatch functions and to maintain seamless communication. The dispatch console design and execution software operates in both Windows and Linux environments. Our user interface design-software provides highly customizable screen layouts and added functionality. Mindshare's, USB based, enhanced multi-channel audio system (with best of class headsets and microphones) provides an end-to-end digital connection to ensure crisp, uncorrupted voice communication across your radio network.

The Mindshare MAXplus combines the a processor into the audio interface unit for a complete dispatch system in the smallest possible form factor. Running the Linux version of the console software, and directly connected internally to the audio system, this represents the most stable and capable console platform in the industry today.

Mindshare P25

Lets face it, the world is going digital. The Mindshare product suite is a great way to take you analog system and convert its analog infrastructure to the features of digital. Perfect reproduction of audio, no loading issues, rapid fault detection, and a host of other features and benefits. In North America, the move to digital radio systems has been underway for over 20 years and Mindshare is right there to support that transition to not only provide digital infrastructure, but digital from the time the microphone audio is digitized until it is delivered at the endpoint speaker.

Mindshare VoIP Console System



Working with industry leader Etherstack, IDS engineers have incorporated the full standards compliant P25 Console Sub-System Interface and Inter Sub-System Interfaces directly into the Mindshare console software for both Linux and Windows platforms. The protocol solutions are derived from Etherstack's field proven P25 software.

The Console engine provides console endpoint and gateway functionality. A full implementation of the CSSI/FSI protocol stack is integrated with the Mindshare Console GUI. The latest implementation of the IMBE vocoder has been incorporated into the software. Additional support is available for P25 security for end to end encryption. Key management, AES, DES, and FIPS140-2 compliant options are all available.

P25 Features and Options

- Trunked ISSI
- Trunked CSSI
- Conventional ISSI
- Conventional FSI
- Mobility Management
- P25 Vocoder - IMBE
- AES/DES Encryption
- Key Management and Storage
- Over the Network Re-keying
- Key Fill Device support
- FIPS 140-2 Compliant Encryption

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Mindshare Telephony

Telephony integration has always been an afterthought in the console world. Consoles are typically very good at controlling multiple radios, but when the time comes to answer phones, integration to telephone lines becomes problematic and feature poor. Direct integration to a PBX system, with all of the features the PBX can deliver, is simply not possible with most consoles. Even with other vendors SIP aware console offerings, the overall system diagram never resembles a phone system. SIP may be used for communication to a PBX, but a proprietary interface from the central electronics of the system to the individual consoles of the dispatch system is still used. This maintains the expensive requirement of the vendors system hub(s).

When the Mindshare console system was designed, it was planned from the beginning that the console, in addition to being great at radio PTT communications, would look just like a telephone, or several of them, to a SIP based PBX. There is no interim transaction agent, no custom HW that works sometimes, only a complete SIP implementation that allows Mindshare to give the full set of features to the dispatcher that is normally only seen on a high end desktop SIP or proprietary digital phone.

Because the Mindshare console is the endpoint telephone device, and speaks the standards based SIP language, it can become an extension on any commercially available PBX system. IDS is also able to provide the PBX configured for any specific set of requirements. The new SIP PBX can be a completely new PBX, replace an existing non-SIP speaking PBX, or it can be backed up to an existing PBX so that non dispatch users can continue to utilize an existing investment.

Telephony Features

- Based on standard SIP telephony protocols
- Compatible with multiple SIP based PBX systems
- Support for analog and digital trunks with any signaling convention
- Essentially unlimited number of phone extensions per console position
- Voicemail support and status display, voicemail to email support
- Caller ID
- Other extension status display
- Button Controls and Features
 - On/Offhook
 - Hookflash, single line and global
 - Hold, single line and global
 - Mic Mute
 - Caller Mute
 - Per Line Volume Control
 - Call Transfer
 - Call Forward
 - Conferencing
 - Call Park and Pickup
 - Call History
 - DTMF keypad, inband and INFO based
 - Speed dial, phonebook dial, and manual dial

