mindshare by CSS

VoIP CONSOLE SYSTEM

DATA SHEET

RADIO:

Designed to fully leverage your existing RF assets, the Mindshare console 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 and 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 P25, DMR, NXDN, as well as 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. When used on our MAXplus hardware, Mindshare's USB based enhanced multi-channel audio system (with best of class headsets, microphones & speakers) provides an end-to-end digital connection to ensure crisp, uncorrupted voice communication across your radio network.

The Mindshare MAXplus combines 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, The MAXplus represents the most stable and capable console platform in the industry.

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).

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. Mindshare can also 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 / OPTIONS:

Based on standard SIP telephony protocols | Supporting Cisco CallManager, Avaya, and Asterisk | Open Source PBX systems | Compatible with other 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, plus voicemail to email support | Caller ID | Other extension status display.

Button Controls:

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

MADE in the USA

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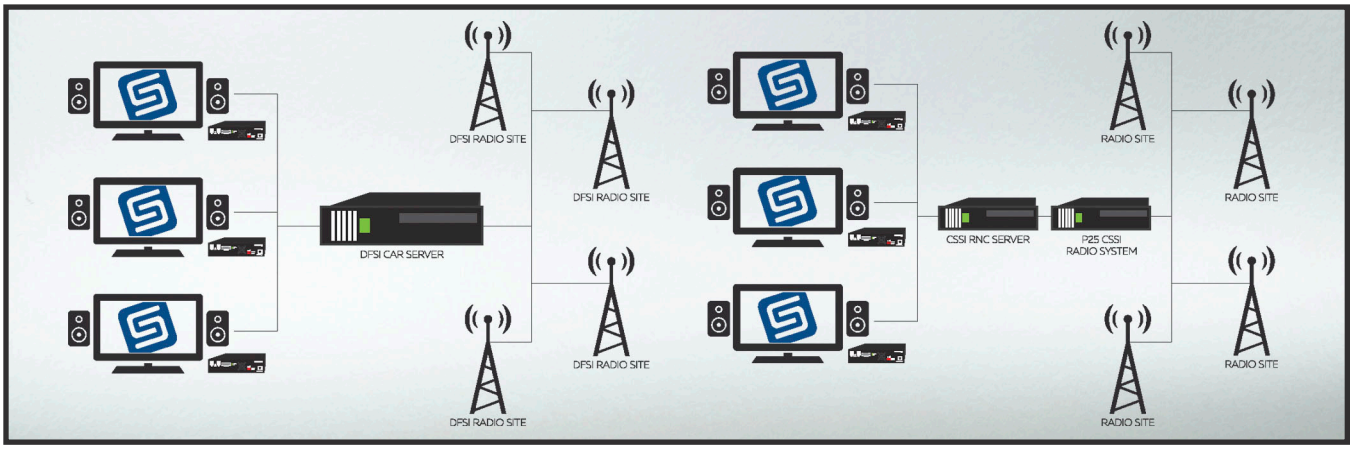
P25 DISPATCH CONSOLE

DATA SHEET



Mindshare P25:

Public safety radio systems have gone digital. The Mindshare P25 dispatch console is a simple, efficient and cost effective way to migrate your existing analog system by converting your analog infrastructure to VoIP and providing full interface features for P25 digital systems. Working with industry leader Etherstack, Mindshare engineers have incorporated the full standards compliant P25 Console Sub-System Interface (CSSI), and Digital Fixed Station Interface (DFSI) within the Mindshare console. Powered by a Linux Operating System, Mindshare provides the ultimate in stability for a mission critical console system. The implementation of the CSSI/DFSI protocol stack is integrated with the Mindshare Console GUI, with protocol solutions derived from Etherstack's field proven P25 software stack. The latest implementation of the AMBE vocoder has been incorporated into the software. Additional support is available for P25 security for end to end encryption. Key management with industry standard key loaders, as well as support for AES and DES encryption, along with a fully FIPS140-2 compliant solution are available as well.

DFSI Solution:

The Mindshare DFSI solution can exist in two formats: A console to individual radios, or multiple consoles to multiple radios. Many competitors don't support multiple consoles connecting to the same radio due to not having the Mindshare DFSI CAR server. The Conventional Arbitrator (CAR) adheres to the P25 standard definition of a Conventional Arbitrator, as outlined in TIA-102.BACE, using the DFSI to interface with fixed stations and the Conventional ISSI to interface with consoles. Most DFSI radios won't allow multiple DFSI connections that would allow more than one console to receive radio traffic simultaneously. The CAR provides a single path to the radios but supports multiple consoles for transmit and monitor functions. This reduces bandwidth requirements on WAN links to the radios because only single audio streams are sent to radios. Standard P25 features are available including FIPS 140-2 AES encryption. If a single console controlling multiple radios is only required, that option is supported with no CAR requirement.

CSSI Solution:

Mindshare can provide a P25 CSSI solution. The CSSI interface is the industry standard for P25 trunked radio systems. The CSSI RNC server works as the communications concentrator allowing multiple consoles to connect to the P25 radio system simultaneously. Mindshare supports all of the standard P25 features and FIPS 140-2 encryption. By bringing all console VoIP connections together, networking topographies are simplified for more efficient deployment.

Features / Options:

CSSI and DFSI Interfaces / P25 Vocoder - AMBE / AES/DES Encryption / Single & Redundant High Availability Server Configurations Supported / Key Management & Storage / Key Fill Device Support / FIPS 140-2 Compliant Encryption

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