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

Specifications subject to change without notice. Check **css-mindshare.com** for downloads/updates.

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