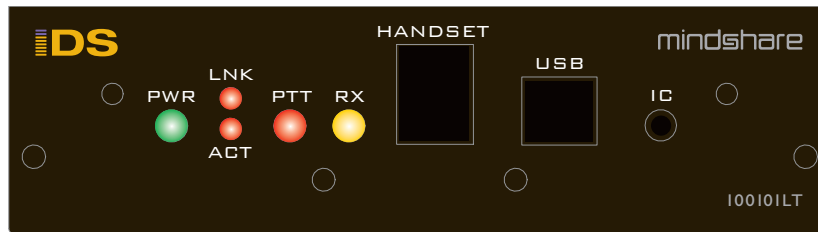


Mindshare 100101LT Radio Interface Card



Mindshare 100101LT Interface Card

The 100101LT is a single card housed in a compact metal enclosure. The card is mounted on edge guides that allow the card to be removed without disconnecting its power, network, and radio connections. A handle on the front panel helps to facilitate easy removal. A single 100101LT is used at a location with a single radio and network connection.

The Mindshare Radio Interface is a network audio interface that enables connection of radios or other analog audio sources to the Mindshare console and radio control system. It is specifically engineered for the radio control application, and is designed with features and flexible I/O for audio and control signals that allow virtually any radio system to be interfaced into the Mindshare RoIP (Radio over IP) environment. Unlike PC based radio gateways and generic IT hardware adapted for use with radio, the Mindshare radio interface is a rugged device designed to operate in the same environmental and RF conditions as the radio equipment connected to it. Embedded software with technician friendly, web browser based setup and maintenance features ensure that the Mindshare Radio Interface will be as trouble free in operation as it is easy to configure and install.

Mindshare Radio Interface Major Features

- VoIP Radio Interface
- Flexible Direct Radio interface
- 2 Wire and 4 Wire tone control interface
- Web based interface for configuration
- 100% Digital Gain Control via Web interface
- SNMP Server for Card Health Monitoring
- MDC1200 and Fleetsync ANI/Emergency Decoding
- Voter compatible data stream with SNR and GPS time stamping
 - Use with Mindshare Voter for Full Voting Solution
- Multiple Vocoder support: uLaw, ADPCM32, and GSM
- SIP Telephony Stack with 2 Line presences
 - PTT of attached radio from any phone
 - Monitor inbound radio calls from any phone
 - Simultaneous operations from two phones plus console
 - Radio DTMF Decoder for Radio to Phone line calls
- iDen PTT network support
- Separate CTCSS generation an output
- Receive Automatic Gain Control Settings
- Multiple Monitor Modes
- Form C Isolated PTT closures for PTT, Monitor and Spare
- Integrated Handset port for local monitoring and control



Mindshare Radio Interface 100101LT

Sequential tone line input and output impedance:

- Two-Wire: 600, 1200 ohm, jumper selectable, transformer isolated,
- Four-Wire TX Line: 600, 1200 ohm, jumper selectable, transformer isolated,
- Four-Wire RX Line: 600 or 10K ohm jumper selectable, transformer isolated,

Audio Ports: Radio RX, Radio TX, Handset microphone and earpiece, Tx Monitor, Wideband TX, Wideband RX.

Relays: PTT, Monitor, Spare

- Maximum Voltage: 125VDC, 150VAC
- Maximum Switched Current: 1A
- Maximum Carrying Current: 1A
- Maximum Switch Power: 30W (DC), 60VA (AC)

Line Input Level: -40 dBm to +10 dBm

Line Output Level: -40 dBm to +10 dBm into a 600-ohm line, adjustable

Soft Pots: Full on to Full off with 255 steps, RX, TX, TXmon, and WideTX

Soft Voice Gain: +/- 12dB

Codec Gains: Inputs: 0 to 54dB in 1.5dB steps

Outputs: 0 to -54dB in -1.5dB steps

Supported Voice Compression Algorithms:

- uLaw (G.711), 80kbit bandwidth when active
- ADPCM32 (G.726), 50kbit bandwidth when active
- GSM, 31kbit bandwidth when active

Receive Audio Compression: Less than 3dB change in VoIP stream level for up to 12 dB below input level and 25dB above input level.

Noise Floor: 45 dB below operating levels.

Audio Frequency Response: + 1/-3 dB, 300 to 3000 Hz, except at the transmit tone notch frequency.

Tone Frequencies: All Function frequencies are selectable from 600 to 3300 Hz. Accuracy +/- 1 Hz.

PTT Frequencies: 2175, 2600, 2100 Hz.

MDC1200 and Fleetsync decode options

iDen network interface support

Voter SNR and GPS timestamping operate with Mindshare Voter for full IP voting solution.

Network Connection: Single, full duplex 10/100 auto-sensing, Ethernet, RJ45 connection

GPS sourced time base input, accurate to 50uSec or less. Connection port included on 100101LT enclosure.

Operating Temperature Range: 0 to +50 degree C.

Power Requirements: 12.0 Vdc at 0.7A maximum

Made in the USA.

Note: Specifications are subject to change without notice.