ABOUT:

The Mindshare 100500 MAXplus G2 Dispatch Processor is a complete dispatch workstation. It provides interfaces to all common audio accessories such as headset jacks, footswitches, speakers, desk microphones, a NENA telephone interface, and more. In addition it incorporates an Intel i3 COM Express computer. This computer provides the user interface and does all the VoIP communications, utilizing the audio system via an internal USB connection. All of your dispatch position electronics in one sturdy metal enclosure.

AUDIO SYSTEM FEATURES:

The Mindshare 100500 MAXplus G2 is designed specifically to satisfy the unique audio requirements of a dispatch console position. By utilizing the 100501MJ the MAXplus G2 can support two dual ¼" TRS headset connections. The MAXplus G2 can support eight MSPA speakers, allowing for any sound configuration desired by the dispatcher. The MAXplus G2 audio section also supports both electret and dynamic microphones. Other included interfaces are: two relay outputs, NENA telephone interface, dual footswitch inputs, Select and Mix 600 Ohm balanced recorder outputs. Recorder outputs can also be sent to a recorder over the network by VoIP.

PROCESSOR FEATURES:

The processor portion of the MAXplus G2 is based on an industry standard COM Express single board computer (SBC). The SBC runs the Linux operating system. Linux provides a more stable operating environment and a better multi-tasking environment for high reliability communications systems. In addition, storage is provided on an industrial certified hard drive. External USB ports are provided for mice, keyboards, and touchscreens. A single 10/100 BaseTX connection connects both the SBC and the audio system to the network through an internal network switch.
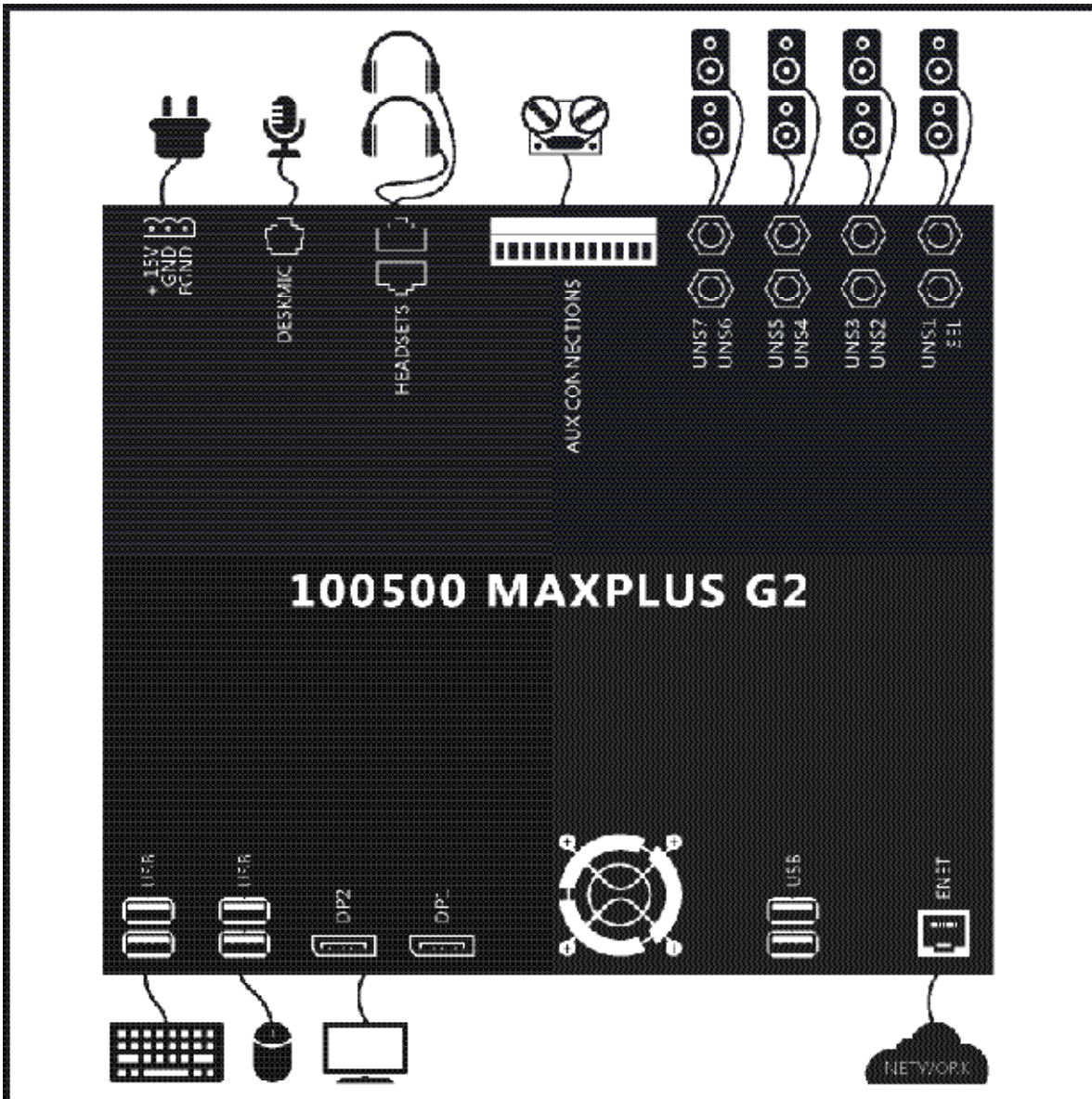
Never before has a dispatch position been integrated as tightly as the Mindshare MAXplus G2. An audio system designed specifically for dispatcher use and easy maintenance, and a highly reliable integrated computer system inside the same box. Space for new equipment will never be a concern again.

DETAILS:

- USB Interfaced Audio System.
- Replaces Inferior Computer Audio System.
- 9 Output channels and 4 Microphones.
- 8 Speaker Outputs (1 Select, 7 Unselect).
- Dynamic and Electret Deskmic Interfaces.
- Dual Simultaneous Headset/Handset Interfaces.
- Echo Cancelled NENA Telephone Audio Interface.
- Two Footswitch Inputs.

- Two Auxiliary Relay Connections.
- Two Auxiliary Diode Blocked Digital Inputs.
- Single Power Supply Voltage.
- Integrated Intel I3 Embedded Processor.
- SATA - CFast.
- 4GB DDR3 RAM Memory.
- Linux Graphic Operating System.

100500 MAXPLUS G2

TOP VIEW

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ACCESSORIES:

Headset Jack:
An optional accessory for the MAXplus G2 interface that allows the use of standard dual prong 4 and 6 conductor operator headsets. The 100501MJ is housed in a sturdy, compact metal enclosure with volume control designed to be conveniently installed at dispatch workstations. Up to two of the 100501MJ Mindshare operator headset jacks can be used with each MAXplus G2 position audio Interface.

Dimensions: 4" wide x 6¼" depth x 2¼" height.
Weight: 1.2 lbs
Connection: Standard 8 conductor Cat 5 cable + Earth Ground.

Desk Microphones:
Directivity: Omni-directional.
Sensitivity: -73dB.
Frequency Response: 200 Hz-5 KHz.
Cable: 6'
Dimensions: 3" wide x 7" depth x 7" height.
Weight: 1 lb.

Directivity: Directional Cardioid.
Sensitivity: 1mV/Pa +/-3dB.
Frequency Response: 100 Hz-12 KHz.
Cable: 6'
Dimensions: 4¼" wide x 6½" depth x 12½" height.
Weight: 1.6 lbs.

Speakers.
An optional accessory for the MAXplus G2 interface, and designed specifically for the requirements of communication dispatch consoles. In most applications, two of the MSPA speaker modules would be installed at each console position and used for selected and unselected audio channels. However, up to eight speaker modules are supported by each Mindshare interface, providing greater flexibility in creating monitor groups in separate speakers. The front panel features a level control, 2-band EQ consisting of low and high controls as well as a power, compressor and signal presence indicator.

Dimensions: 4.5" wide x 5" height.
Weight: 2.1 lbs.
Audio Connection: Single ¼" TRS cable.
Audio Power: Up to 25 watts.
DC Power Input: 12-18 VDC.

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SPECIFICATIONS:

Relays: User1 and User2
      Maximum Voltage: 125VDC, 150VAC
      Maximum Switched Current: 1A
      Maximum Carrying Current: 1A
      Maximum Switch Power: 30W (DC), 60VA (AC)

Audio Ports: Speakers 1-8, Headset 1 mic, Headset 2 mic, Headset ear, Deskmic, NENA RX, NENA TX, Aux Mic.

Codec Gains: Inputs: 0 to 42dB in 1.5dB steps / Outputs: 0 to -42dB in -1.5dB steps.

Microphone Automatic Gain Control: Less than 3dB change in microphone level for up to 12 dB below input level and 25dB above input level.

Noise Floor: 45 dB below operating levels.

Speakers: Up to 8. Individual front mounted volume controls.

Headset Interface (100501MJ): 2 independent connections, independent volume control for each connection, independent microphone input for each, auto-sense connection.

Desk Microphone Connection: Dynamic and Electret supported.

Programmable Gains: Deskmic 0dB or +28dB, Headset Microphones 0dB or -20dB, NENA RX 0dB or -20dB.

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

Interface: Echo Cancelled NENA telephone interface.

Foot switch Inputs: Two

Auxiliary Inputs: Two

Dimensions: 9½" wide x 8¼" depth x 2" height.

Weight: 3.8 lbs.

Operating Temperature Range: 0 to +50 degree C.

Power Requirements: 85-240 VAC, 50-60Hz, 72W, or 13.8 -15Vdc at 5.2 A maximum, UL1459 listed.

Network Connection: Single, full duplex 10/100 auto-sensing, switch operation, Ethernet, RJ45.

Integrated industrial grade single board embedded processor (Intel i3).

4G DDR3 RAM memory standard.

SATA CFast.

Linux graphic operating system.

External connection display port. Resolutions up to 3840 x 2160 and 4K UHD.

External connection for 6 USB connections in addition to 1 internal USB connection.

Power button.

Internal and external network activity indications.

Computer power and HDD activity LED's.

Mounting plate included allowing unit to be placed in most convenient location.

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

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