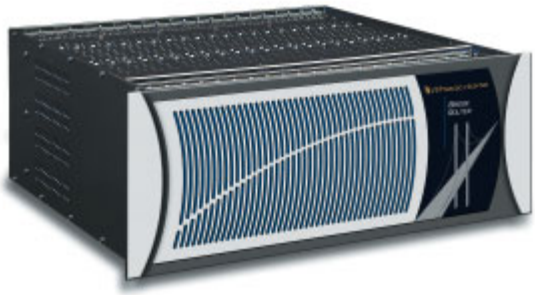
It's not just a Router, It's an ENTIRE Audio Infrastructure

You Can Start with a simple AES router with analog and digital inputs and outputs. From there you can add logic I/O cards and scheduling software; you can link multiple master bridge cages together to achieve thousands and thousands of I/O ports; you can create a custom system that includes multiple smaller remote satellite cages— with everything interconnected via CAT5 or fiberoptic links.

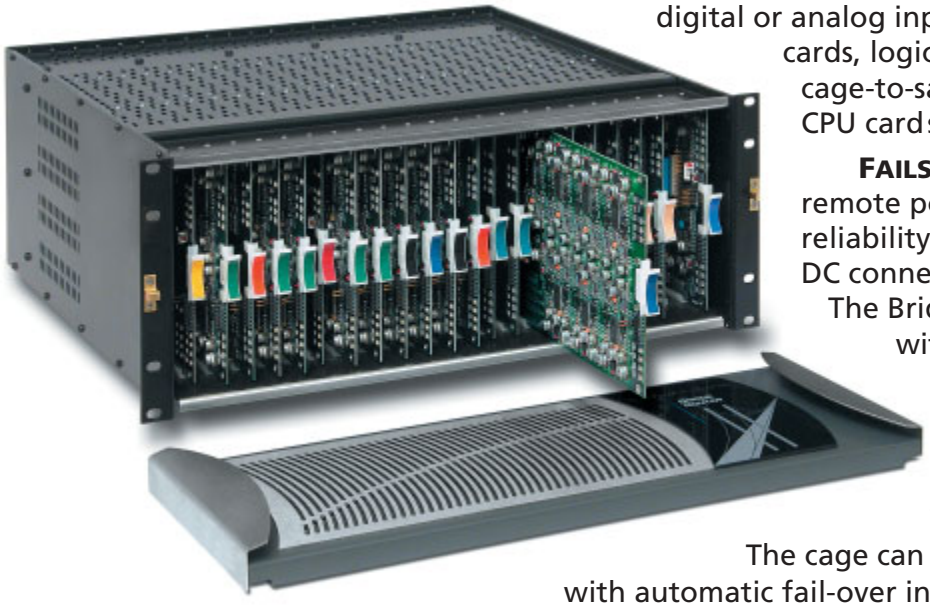
But That's just the Beginning: you can also add mix engine cards, interface to your automation system; you can choose from an entire family of WHEATSTONE GENERATION SERIES control surfaces specialized for production room, on-air or voicetrack applications. We also provide a full complement of Ethernet protocol remote router control panels, as well as a complete family of plug-in modules that interface the routing system to existing Wheatstone digital and analog standalone consoles.

Wheatstone
the digital audio leaders
www.wheatstone.com



Wheatstone BRIDGE Generation Digital Audio Network System

OUR BRIDGE ROUTER IS THE MOST VERSATILE CAGE AVAILABLE!



It provides twenty universal card slots; you can choose from digital or analog input cards, digital or analog output cards, logic I/O port cards, mix engine DSP cards, cage-to-satellite network cards, and of course CPU cards—and this is just for starters.

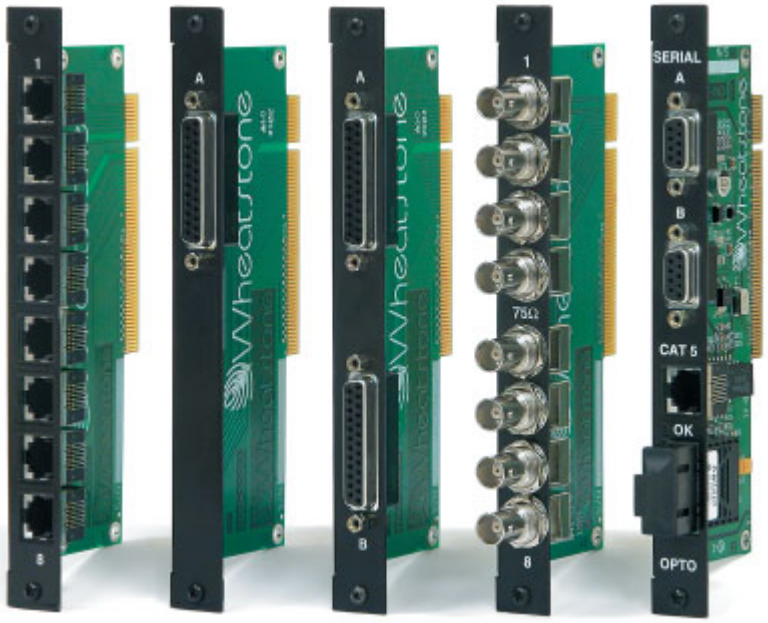
FAILSAFE DESIGN — The Bridge cage uses remote power supplies for the ultimate in reliability and is fitted with two metal mil spec DC connectors to allow dual supply operation. The Bridge can also support dual CPU cards with automatic switchover and system reporting in the event of a primary failure. Naturally, configuration information is stored in nonvolatile RAM; you can also save this same information onto an external laptop. The cage can also house a standby mix engine card with automatic fail-over in the event of a mix engine failure.

WHEATSTONE KNOWS RELIABILITY IS *EVERYTHING*.

INTERCONNECT FRIENDLY!

You can choose from a family of I/O panels to match your equipment or interface requirement. Pick from 110 ohm balanced DB connectors or 110 ohm CAT5 connections.

There's also a 75 ohm BNC option—a real plus for compatibility in television facilities. Cage-to-cage network connections can be made by CAT5 or optical fiber links.



ETHERNET This port allows interface to a desktop computer for system configuration, or to an Ethernet hub that can tie to control panels or Generation Series control surfaces.

SERIAL INTERFACE These connectors (A and B) can interface to station automation and serial XY controller devices that utilize RS-232/485 protocols.

SYNC IN/OUT Because the Bridge system utilizes sample rate converters on all digital inputs it is not a requirement that the system be synched. However, some system designers prefer to use a house sync to accommodate existing audio equipment. The Bridge system may either act as the source of the facility's house sync or be locked to an external clock (connector C).

CAT5 CONNECTORS For those engineers who prefer the simplicity of CAT5 interconnect and the economy of such cabling, these connectors can really simplify installation.

SERIAL A and B Think of these connections as a simple RS-232/485 transport that can link those signals between two cages. For example, the music server terminal in your studio can feed the music server hardware in your equipment room.

POWER SUPPLY DC power supply connections are made by means of metal mil spec multi-pin connectors that provide a secure cable link to an external rackmount power supply. Two connectors allow dual supplies for failsafe redundancy.

DB-25 I/O CONNECTIONS Gold-plated DB-25 connectors with threaded locks provide a secure means for digital and analog audio connections. They also provide plenty of I/O pinouts for opto-isolated logic modules.

BNC CONNECTORS The industry standard in video-oriented facilities, these are fitted with 75Ω transformers to assure compatibility with existing gear and eliminate the need for awkward interface boxes.

CAT5 Provides a convenient cost saving method for linking Bridge router and Bridge satellite cages together.

OPTICAL CONNECTOR Fiberoptic cables provide the ultimate in signal security. You can link together cages or satellites using one or more of these ports.