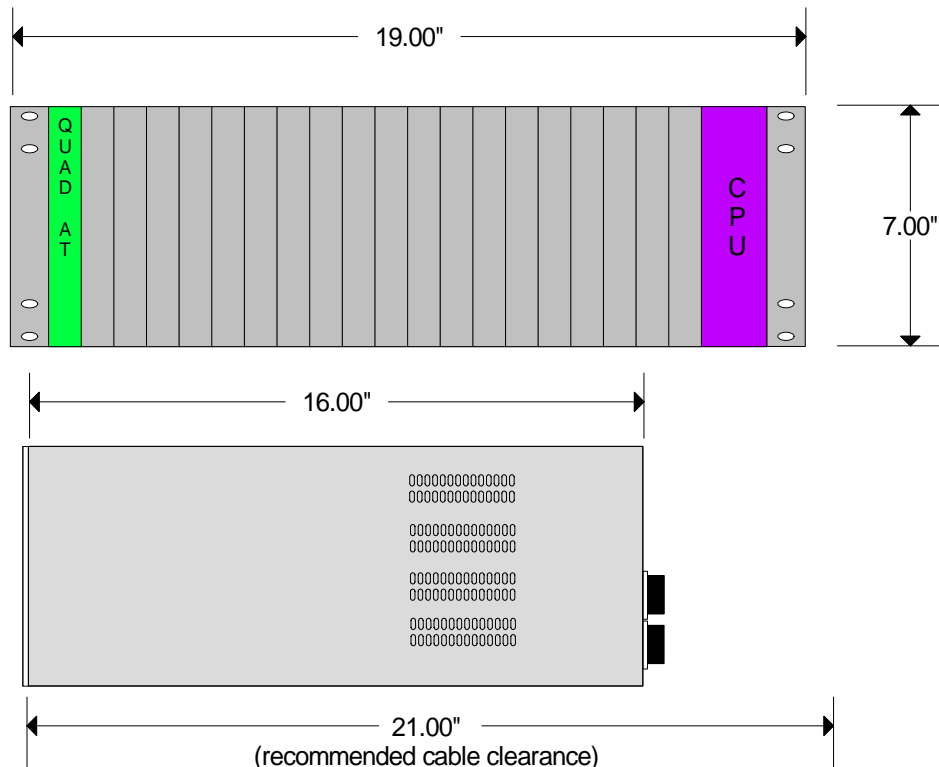




Bridge Router / Mix Engine

Technical Specifications



Cage Capacity

22 Positions

CPU Card requires 2 positions, all others require 1

Available Card Options:

HC-2001	-	CPU - Option (for standalone router operation)
HC-2001	-	Backup CPU - Option
AES-2024/8	-	Input Card - 8 AES/EBU/SPDIF Inputs
AES-2024/16	-	Input Card - 16 AES/EBU/SPDIF Inputs
MIC-2001	-	Input Card - 8 Analog Microphone Inputs
ADI-2001	-	Input Card - 8 Stereo (16 Mono) Analog Inputs
SDI-2001	-	Input Card - 2 SDI Ports, can accept SD or HD SDI signals. Each port can decode up to 8 channels
MAD-2001	-	Input / Output Card - 1 MADI Input Port, 1 MADI Output Port. Each port can be configured for 56 or 64 channels
DO-2016/8	-	Output Card - 8 AES/EBU Outputs
DO-2016/16	-	Output Card - 16 AES/EBU Outputs
AO-2001	-	Output Card - 8 Stereo Analog Outputs
LIO-2001	-	Logic Card - 12 Opto-Isolated Inputs, 12 Opto-Isolated Outputs
DSP-2001	-	Mix Engine Card

Expansion & Networking:

QAT-2001	-	Quad Audio Network Card - Four ports for linking Cage to WheatNet-TDM Audio Network Switch, Satellite I/O Cages, or Control Surfaces
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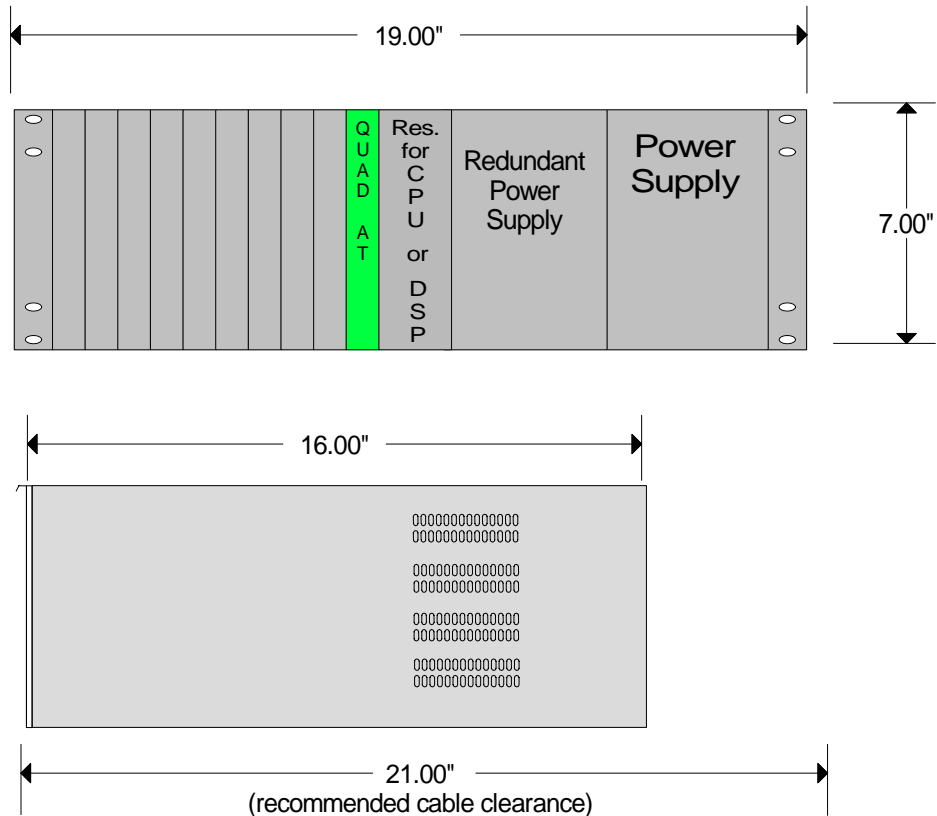
Connections:

Audio - DB-25, BNC, or RJ-45
Audio Network - Fiber or CAT5 (RJ-45)
Serial Data (RS-232 or RS-485) - DB-9
Administrative Port - Ethernet - RJ-45
Power - Dual Mil-Spec for redundant operation

Power Consumption: Up to 400 watts, depending on card population



Bridge Router Satellite Cage Technical Specifications



Cage Capacity

10 User-Definable Positions

(For greater I/O capacity, a 22 position satellite cage with external power supply is available)

Available Card Options:

- HC-2001 - CPU - Option
- AES-2024/8 - Input Card - 8 AES/EBU/SPDIF Inputs
- AES-2024/16 - Input Card - 16 AES/EBU/SPDIF Inputs
- MIC-2001 - Input Card - 8 Analog Microphone Inputs
- ADI-2001 - Input Card - 8 Stereo (16 Mono) Analog Inputs
- DO-2016/8 - Output Card - 8 AES/EBU Outputs
- DO-2016/16 - Output Card - 16 AES/EBU Outputs
- AO-2001 - Output Card - 8 Stereo (16 Mono) Analog Outputs
- LIO-2001 - Logic Card - 12 Opto-Isolated Inputs, 12 Opto-Isolated Outputs
- DSP-2001 - Mix Engine Card

Expansion & Networking:

- QAT-2001 - Quad Audio Network Card - For Linking Satellite I/O Cage to Host Cage and / or Control Surfaces
(Capacity 64 Bi-Directional Audio Channels per link)

Connections:

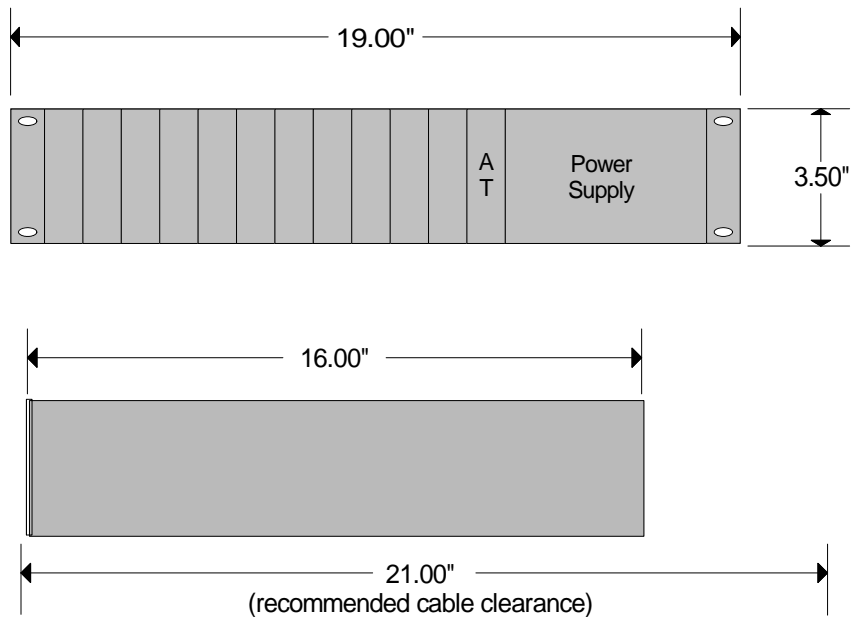
- Audio - DB-25
- Audio Network- Fiber or CAT5 (RJ-45)
- Serial Data - DB-9

Power: - Two positions for removable power supply modules for redundant operation

Power Consumption: Up to 180 watts, depending on card population



Bridge Router E-Sat Cage Technical Specifications



Cage Capacity

4 Positions for Analog or Digital Input Cards, 4 Positions for Analog or Digital Output Cards, 2 Positions for Logic Input/Output Cards, 1 Position for Evolution Series Mix Engine Card, and 1 Position for Audio Network Card.

Available Card Options:

- DI-NC4 - Input Card - 4 AES/EBU/SPDIF Inputs
- AI-NC4 - Input Card - 4 Stereo (8 Mono) Analog Inputs
- DO-NC-4 - Output Card - 4 AES/EBU Outputs
- AO-NC4 - Output Card - 4 Stereo (8 Mono) Analog Outputs
- LIO-NC - Logic Card - 12 Opto-Isolated Input / Outputs Ports
- DSP-NC - Mix Engine Card
- FR-NC - Fiber Repeater Card. For converting RJ-45 copper audio network port to single-mode or multi-mode fiber for long distance interconnection back to Host Cage or WheatNet-TDM Audio Network Switch.

Expansion & Networking:

- AT-NC - 2-Port Audio Network Card - For Linking E-Sat I/O Cage to Host Cage or WheatNet-TDM Audio Network Switch. Second port may be used link a second E-Sat or Micro-Sat cage.

Connections:

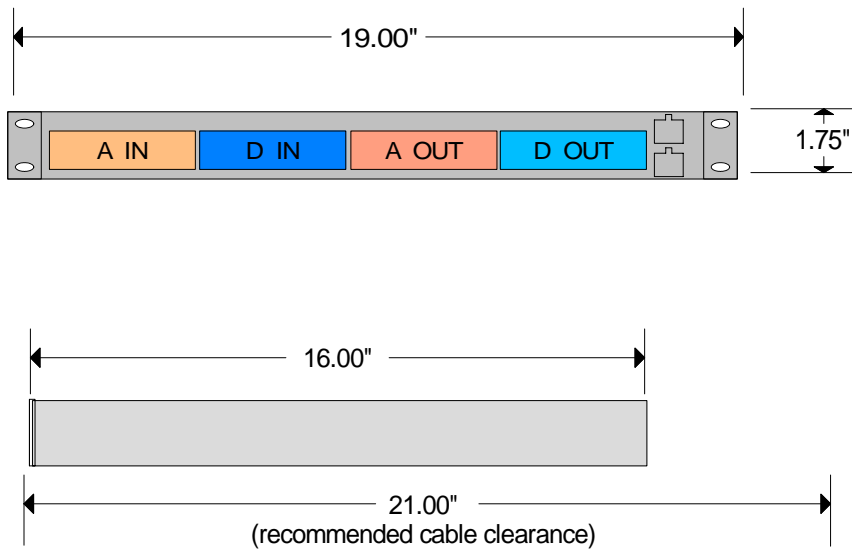
- Audio - DB-25
- Audio Network- CAT5 (RJ-45) or Fiber (see FR-NC card description)

- Power: - Internal Power Supply.

Power Consumption: Up to 45 watts, depending on card population



Bridge Router E-Sat Cage Technical Specifications



Cage Capacity:

2 Positions for Analog or Digital Input Cards, 2 Positions for Analog or Digital Output Cards.

Available Card Options:

- DI-NC4 - Input Card - 4 AES/EBU/SPDIF Inputs
- AI-NC4 - Input Card - 4 Stereo (8 Mono) Analog Inputs
- DO-NC-4 - Output Card - 4 AES/EBU Outputs
- AO-NC4 - Output Card - 4 Stereo (8 Mono) Analog Outputs

Networking:

Audio Network Port for Linking Micro-Sat I/O Cage to Host Cage or WheatNet-TDM Audio Network Switch.

Connections:

- Audio - DB-25
- Audio Network- CAT5 (RJ-45)
- GPIO (6 ports)- RJ-45

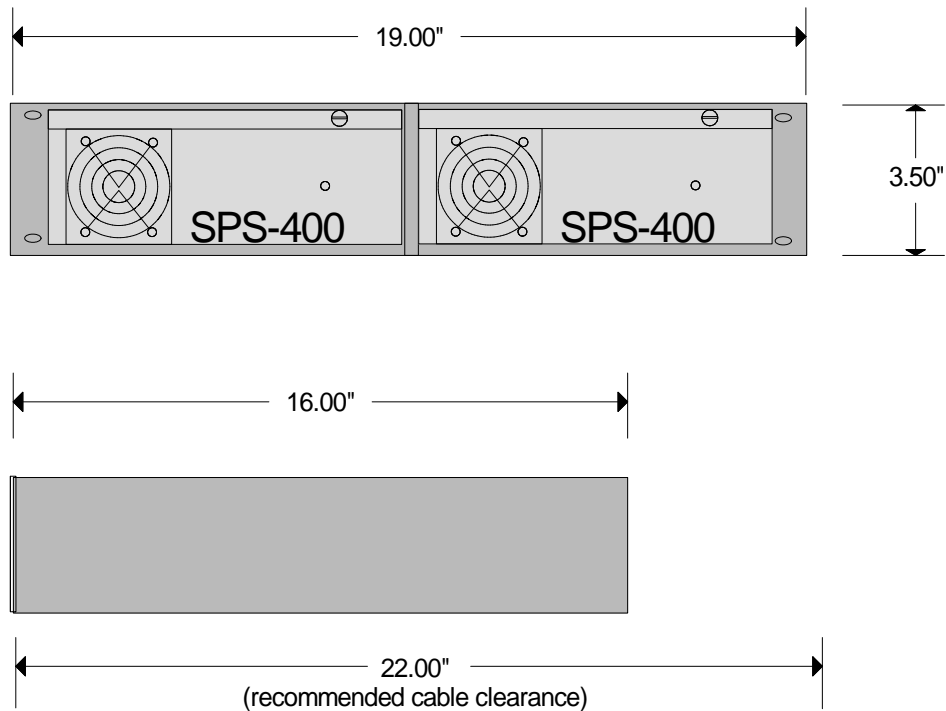
Power: - Internal Power Supply.

Power Consumption: Up to 15 watts, depending on card population



SPS-400 Power Supply

Technical Specifications



Where Used:

Bridge 22-Slot I/O - Mix Engine Cage
D-9, D-10, D-12, D-16, D-32, D-5.2 Control Surfaces

Cage Capacity

2 SPS-400 Power Supply Modules
(in most applications, one SPS-400 serves as primary, the second for redundant operation)

Power Consumption: Up to 400 watts, depending on card population

Note: Each SPS-400 has an internal ventilation fan that pulls air from the front and exhausts from the rear. Fans do generate a level of noise that would be an issue for acoustically sensitive studio environments.