



The ASI A-Net® Systems Interface provides a digital link between Pro64® Series networking products and Pro16® Series output devices, such as the A-16II and A-16R Personal Mixers and the AN-16/o and AV-P2 Output Modules. The ASI features two bidirectional Pro64 network ports and four Pro16 A-Net outputs, all using heavy-duty locking Neutrik® EtherCon® connectors.

Setup of the ASI is fully plug-and-play. The module divides the incoming Pro64 A-Net network stream into 16-channel blocks which are transmitted out the

corresponding Pro16 ports, reformatted for compatibility with Pro16 Series devices. The number of available channels and valid Pro16 ports is determined by the sample rate of the Pro64 network, with 64 channels at 44.1/48kHz±, 32 at 96kHz±, and 16 at 192kHz±. Stereo link settings from the Pro64 network are passed to the Pro16 outputs.

Pro16 A-Net outputs can be connected directly to the A-16II or A-16R Personal Mixer, a Pro16 A-Net Distributor, or a Pro16 Output Module such as the AN-16/o or AV-P2.

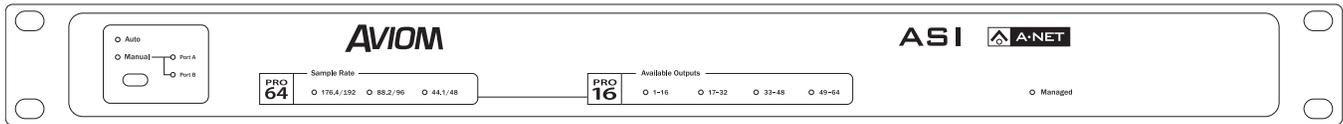
### PRODUCT HIGHLIGHTS

- Allows Pro64 audio networks to connect to Pro16 Personal Mixers, Output Modules, and Distributors
- Four 16-channel Pro16 A-Net outputs, derived from Pro64 network channels 1-16, 17-32, 33-48, and 49-64
- Two Pro64 A-Net network ports
- Supports all Pro64 sample rates
- Internal universal power supply; IEC power connector

PRO64 NETWORK		PRO16 NETWORK				
Sample Rate	Total Channels	Sample Rate	Available Outputs			
			1-16	17-32	33-48	49-64
44.1kHz	64	44.1kHz	X	X	X	X
48kHz	64	48kHz	X	X	X	X
88.2kHz	32	44.1kHz	X	X		
96kHz	32	48kHz	X	X		
176.4kHz	16	44.1kHz	X			
192kHz	16	48kHz	X			

### TECHNICAL SPECIFICATIONS

<b>LED Indicators</b>	Pro64 Sample Rate Pro16 Available Outputs	
<b>Pro64 A-Net</b>	2 EtherCon RJ45 connectors, rear panel	
<b>Pro16 A-Net Output</b>	4 EtherCon RJ45 connectors, rear panel	
<b>Pro64 Sample Rates</b>	39.7–52kHz; 79.4–104kHz; 158.8–208kHz	24-bit resolution
<b>Pro16 Sample Rate</b>	39.7–52kHz	24-bit resolution
<b>Latency</b>	Analog in (Pro64) to analog out (Pro16): <1ms	
<b>Power Supply</b>	100–240VAC	50–60Hz, 24W
	Internal switching type; IEC connector	
<b>Dimensions</b>	1U; 19" w x 8" d x 1.75" h (482.6 x 203 x 44 mm)	
<b>Weight</b>	5.5 pounds (2.49 kg)	
<i>All Aviom products are designed and manufactured in the USA.</i>		

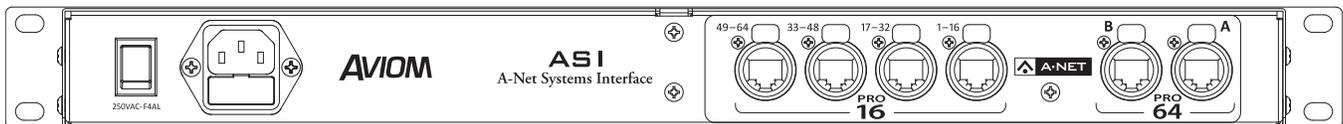


**▲ FRONT PANEL FEATURES**

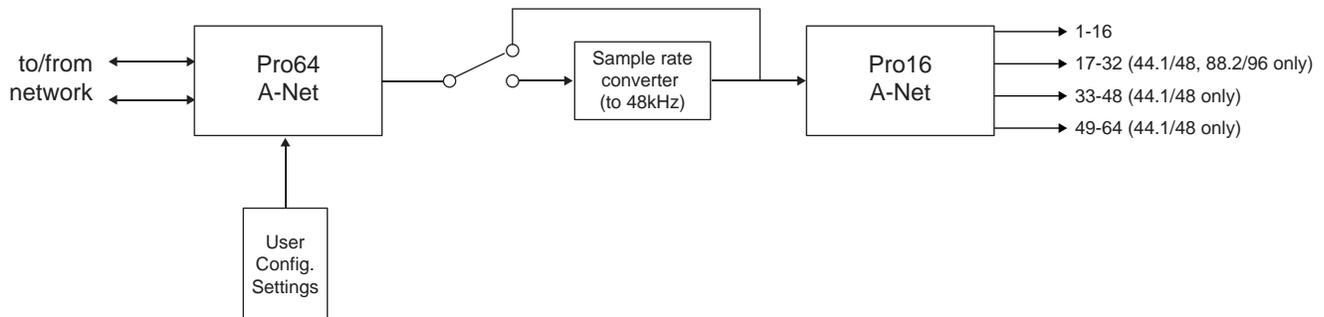
- Auto/Manual Mode indicator LEDs
- Pro64 Sample Rate indicator LEDs
- Pro16 Available Outputs indicator LEDs

**▼ REAR PANEL FEATURES**

- Dual Pro64 A-Net ports
- Four Pro16 A-Net Outputs (channels 1-16, 17-32, 33-48, 49-64)



**ASI BLOCK DIAGRAM (3 SAMPLE RATE RANGES)**



**ARCHITECTURAL SPECIFICATION**

The Aviom ASI A-Net Systems Interface shall employ the Aviom A-Net® audio transmission protocol to provide a interface between Pro64® networks and Pro16® monitor mixing and audio distribution systems. It shall digitally transmit full-bandwidth high-quality audio by employing the A-Net audio transmission protocol.

The front panel shall provide LED indicators for Pro64 Sample Rate, Pro16 Available Outputs, Pro64 Network Mode, and Managed Mode. The rear panel shall provide two EtherCon® RJ45 connectors for Pro64 A-Net connections and four EtherCon RJ45 connectors for Pro16 A-Net outputs.

The unit shall output one, two, or four 16-channel Pro16 A-Net streams, depending on the number of channels available on the connected Pro64 network.

The unit shall be powered by an internal universal power supply (110 to 240VAC) with an AC power receptacle with fuse, and shall be supplied with a detachable AC cable. It shall be UL and CE listed.

Its dimensions shall be 19 inches wide, 8 inches deep, and 1U (1.75") high. Its net weight shall be 5 pounds, and its front panel shall be finished in blue. The unit shall be Aviom Incorporated model ASI.