



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. The ASI features two bidirectional Pro64 network ports and four Pro16 outputs, all using heavy-duty locking Neutrik® EtherCon® connectors.

The ASI is a plug-and-play module, requiring no configuration beyond selecting a Pro64 network port for Manual Mode systems. The selected incoming Pro64 A-Net® stream is divided into 16-channel blocks and 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 outputs can be connected directly to Personal Mixers, such as the A-16II or A-16R, to a Pro16 A-Net Distributor, or to an AN-16/o Output Module. The ASI is not compatible with the original A-16 Personal Mixer.

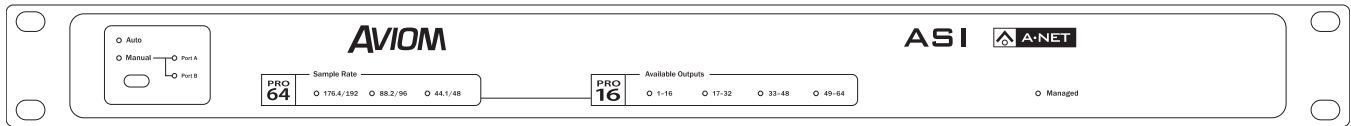
PRODUCT HIGHLIGHTS

- Allows Pro16 Personal Mixers, A-Net Distributors, and Output Modules to connect with Pro64 audio networks
- Four 16-channel Pro16 A-Net outputs, derived from Pro64 channels 1-16, 17-32, 33-48, 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	Channels	Sample Rate	Available Outputs			
			1-16	17-32	33-48	49-64
44.1	64	44.1	X	X	X	X
48	64	48	X	X	X	X
88.2	32	44.1	X	X		
96	32	48	X	X		
176.4	16	44.1	X			
192	16	48	X			

TECHNICAL SPECIFICATIONS

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

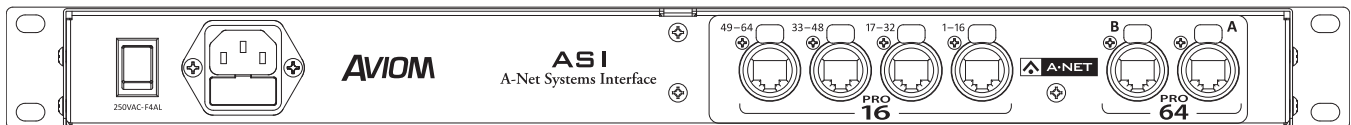


▲ FRONT PANEL FEATURES

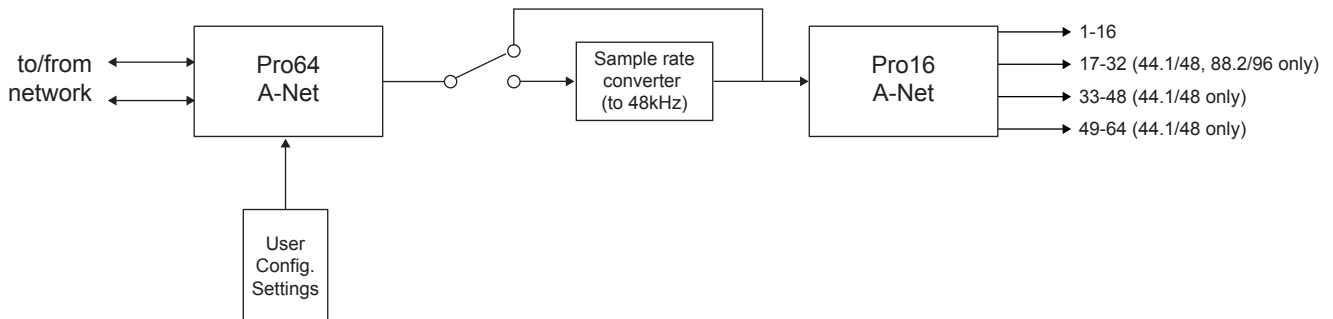
- Auto/Manual Mode indicator LEDs
- Pro64 Sample Rate indicator LEDs
- Pro16 Available Outputs indicator LEDs

▼ REAR PANEL FEATURES

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



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.