PRODUCT HIGHLIGHTS

- *Add A-Net Pro16 output to any Yamaha digital mixing console that uses the Yamaha mini-YGDAI expansion card format*
- *44.1/48kHz SR, 24-bit uncompressed digital data*
- *Stereo Link per channel pair for stereo mixing with Aviom Pro16 Personal Mixers*
- *Unlimited splits and lossless digital copies*
- *Cat-5e cable runs up to 500 feet (150 meters)*

The Aviom16/o-Y1 A-Net® Card is an output expansion card for Yamaha® products supporting the mini-YGDAI (MY) format. The Y1 A-Net card provides seamless direct digital connectivity between Yamaha digital devices and Aviom Pro16® products. Compatible products include the A-16II and A-16R Personal Mixers, A-16D and A-16D Pro A-Net Distributors, and the AN-16/o Output Module.

Y1 A-Net cards fit into any available expansion slot in the rear of Yamaha's digital consoles. The Y1 card is also compatible with the DME24N and DME64N Digital Mixing Engine products, used to expand the audio processing and routing capabilities of Yamaha's digital consoles.

Multiple Y1 cards can be used simultaneously in a single console, extending the creative possibilities for both monitoring and signal distribution. Each Y1 card outputs up to 16 channels of 24-bit, 48kHz audio over a single Cat-5e cable. Up to 64 channels can be combined onto a single cable using Aviom's AN-16SB System Bridge.

Channel pairs can be linked for stereo mixing on Pro16 Personal Mixers using a set of eight external DIP switches. Additionally, mode switches are provided for selecting 16-channel (MY16) and 8-channel (MY8) operation as required by the slot specification of the Yamaha console.

Y1 A-NET CARD SPECIFICATIONS

A-Net Pro16 Output	16 channels of A-Net digital data; ** 8 channels on PM1D*
Interface Format	Yamaha mini-YGDAI (MY) Expansion Card
Maximum Expansion	limited only by the number of available expansion slots in the digital mixer
Sample Rate	44.1kHz to 48kHz, +/-10%
Digital Conversion	24-bit
Digital Connections	A-Net Out: 1; EtherCon® RJ45 connector
DIP Switch	Switch 1-8: Stereo Link on/off Switch 9-10: A-Net mode A-Net Modes: 8-channel, 16-channel, Aviom, Test

A-Net Pro16	A-Net allows 16 channels of audio to be transmitted over one Cat-5e cable
	uses unshielded Cat-5e UTP (or better) cable; max. length 500ft (150m) between devices
Latency	<0.880 msec (measured from analog input to analog output)
Power Supply	none required; uses Yamaha device as source of power
Dimensions	4.75" (120.7 mm) wide x 6.25" (158.8 mm) deep; 1.5" (38.1 mm) high
Weight	0.8 lbs (0.36 kg)
Options	AN-16SBR System Bridge; combines up to four A-Net streams for transmission over one Cat-5e cable
All Aviom products are designed and manufactured in the USA.	

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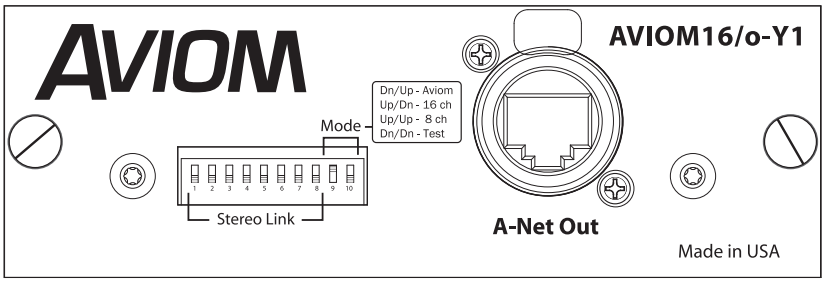

FRONT PANEL FEATURES

- DIP switch 1–8: Stereo Link
- DIP switch 9–10:
  - Down/Up - Aviom mode
  - Up/Down - 16-channel (default)
  - Up/Up - 8-channel (PM1D)
  - Down/Down - Test mode
- A-Net Out, EtherCon

COMPATIBLE YAMAHA PRODUCTS

Product	*Expansion Slots*	*Digital Channels Output via A-Net*
01V96 Digital Mixing Console	1	16 channels per slot
02R96 Digital Mixing Console	4	16 channels per slot
DM1000 Digital Production Console	2	16 channels per slot
DM2000 Digital Production Console	6	16 channels per slot
PM5D Digital Mixing Console	4	16 channels per slot
PM5D-RH Digital Mixing Console	4	16 channels per slot
M7CL Digital Mixing Console	3	16 channels per slot
LS9-16 Digital Mixing Console	1	16 channels per slot
LS9-32 Digital Mixing Console	2	16 channels per slot
PM1D Digital Audio Mixing System	8	Each slot is limited to 8 channels
DME24N Digital Mixing Engine	1	16 channels per slot
DME64N Digital Mixing Engine	4	16 channels per slot

ARCHITECTURAL SPECIFICATION

The Aviom16/o-Y1 shall provide sixteen channels of digital audio transmitted via an Aviom A-Net network over Cat-5e cable. It shall provide full-bandwidth, high-quality audio by employing the Aviom A-Net Pro16 audio transmission protocol. It shall operate at sampling rates from 44.1kHz to 48 kHz, +/-10%.

Its channel assignments shall be configured and routed from within a Yamaha digital mixing console, according to the limitations of the Yamaha product. The card shall meet the specifications of the Yamaha mini-YGDAI expansion card format.

Front panel features shall include one 10-position DIP switch. Stereo linking of channel pairs shall be set with DIP switches 1 through 8. Operational modes will be configured using DIP switches 9 and 10. Four operational modes will be provided.

The unit shall be powered from the Yamaha console's internal power supply. It shall be UL and CE listed.

The rear panel shall have a multipin connector to interface with the Yamaha digital mixing console expansion port connectors.

The Y1 card shall employ a Neutrik EtherCon RJ45 connection for the A-Net Pro16 digital audio output.

Its dimensions shall be 4.75 inches wide, 6.25 inches deep, and 1.5 inches high. Its net weight shall be 0.8 pounds, and its steel chassis shall be finished in blue. The unit shall be Aviom, Inc. model Aviom16/o-Y1.

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A-NET