

### PRODUCT HIGHLIGHTS

- One A-Net input, eight A-Net outputs
- Distributes power and audio on the same cables

#### A-16D Pro

- One passive A-Net Thru
- Heavy-duty EtherCon connectors
- Eight isolated internal power supplies
- Standard IEC power connector

#### A-16D

- 8 optional DC power inputs for Personal Mixers
- Half-rack footprint, mounts on rack shelf

Aviom's A-Net® Distributors, the A-16D and A-16D Pro, provide support for parallel connections of multiple Pro16™ devices. Each accepts one A-Net input and provides eight identical A-Net outputs using standard Cat-5e cables.

The 2U A-16D Pro is powered by an internal switching power supply, with a detachable power cord and IEC power inlet on the rear panel. Isolated (floating ground) DC power is supplied to eight A-Net outputs for providing remote power via Cat-5e to Pro16 Personal Mixers. A single unpowered A-Net Thru is provided for daisy-chaining additional A-Net Distributors or other Pro16 devices, such as the AN-16/o Output Module. All network connections on the A-16D Pro use heavy duty locking Neutrik® EtherCon® connectors.

Inside the A-16D Pro is Aviom's unique power sub-system, which virtually eliminates the possibility of introducing hum or ground loops into an audio system.

Alternatively, the half-rack space A-16D is powered by an external DC power supply and provides remote power over A-Net on a per-jack basis, using optional external DC power supplies. A-Net network connections use standard RJ45 jacks.

The A-16D is a cost-effective method for distributing A-Net and power to Personal Mixers, providing redundant cable runs to back-up modules, or refreshing an A-Net signal where cable runs exceed 500ft/150m.

An unlimited number of Distributors can be used in an A-Net network.

### A-16D PRO A-NET DISTRIBUTOR SPECIFICATIONS

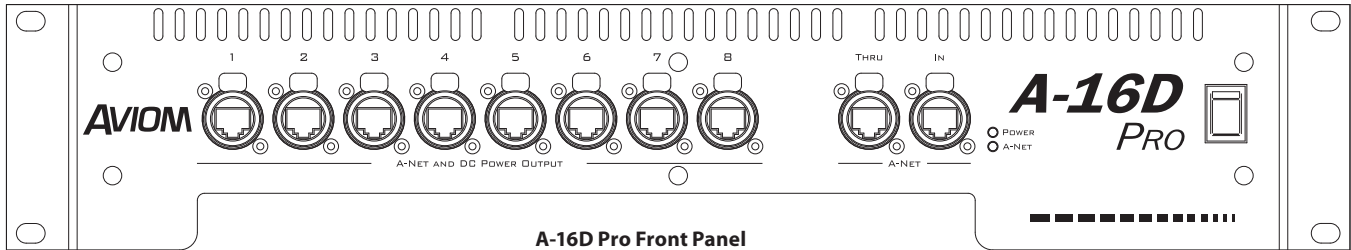
<b>A-Net Input</b>	One EtherCon RJ45 connector
<b>A-Net Thru</b>	One EtherCon RJ45 connector, unpowered
<b>A-Net Outputs</b>	8 EtherCon RJ45 connectors, powered (DC)
<b>LEDs</b>	Power On; A-Net Active
<b>A-Net Pro16</b>	16 channels of digital audio over Cat-5e cable uses unshielded Cat-5e UTP (or better) cable
<b>Power Supply</b>	Internal, universal switching type
<b>Input Voltage</b>	100-240VAC, 50-60Hz, 60W
<b>Output Voltage for Personal Mixers</b>	18-24 VDC, 0.5 amp transmitted over the Cat-5e cable
<b>Dimensions</b>	19" (482.6 mm) wide x 14.25" (362 mm) deep; 2U, 3.5" (88.9 mm) high
<b>Weight</b>	12.0 lbs (5.44 kilo)

### A-16D A-NET DISTRIBUTOR SPECIFICATIONS

<b>A-Net Input</b>	One RJ45 connector
<b>A-Net Outputs</b>	8 RJ45 connectors, optionally powered (DC)
<b>LEDs</b>	Power; A-Net Active; DC power available
<b>Power Supply</b>	External, universal switching type
<b>Input Voltage</b>	100-240 volts, 50/60Hz, 30VA
<b>Output Voltage for Personal Mixers</b>	18-24 VDC, 0.5 amp transmitted over the Cat-5e cable
<b>DC Power Jacks</b>	1 main; 8 aux (one per A-Net output) size: 2 mm
<b>Dimensions</b>	8.5" (215 mm) wide x 6.7" (170 mm) deep 1.2" (30.4 mm) high; can be rack-mounted on a standard 1U rack accessory shelf (optional)
<b>Weight</b>	2.0 lbs (0.91 kilo)

*All Aviom products are designed and manufactured in the USA.*

**A-16D PRO A-NET DISTRIBUTOR**

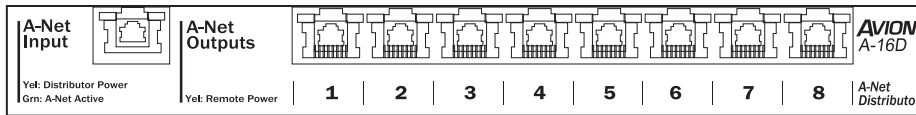


**A-16D Pro Front Panel**  
8 A-Net Out, 1 A-Net Thru, 1 A-Net In



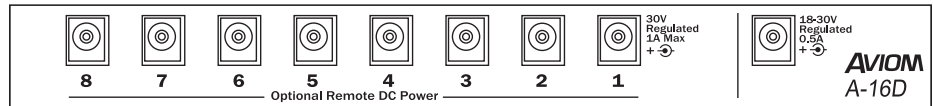
**A-16D Pro Rear Panel**

**A-16D A-NET DISTRIBUTOR**



**A-16D Front Panel**  
1 A-Net In, 8 A-Net Out

**A-16D Rear Panel**  
8 optional DC power in,  
1 unit DC power



**ARCHITECTURAL SPECIFICATIONS**

**A-16D Pro**

The Aviom A-16D Pro shall employ the Aviom A-Net Pro16 audio transmission protocol to provide one channel of A-Net input and eight channels of A-Net data distribution for devices connected in an A-Net network. It shall digitally transmit full-bandwidth, high-quality audio by employing the Aviom A-Net Pro16 audio transmission protocol.

Front panel connectors shall be of the EtherCon RJ45 type. LED indicators for power and A-Net shall be provided.

The unit shall be powered from an internal universal power supply (110 to 240 VAC). It shall provide DC power to the eight A-Net Out jacks to power Pro16 Personal Mixer products. It shall be UL and CE listed. Rear panel features shall include an AC power receptacle with fuse and a detachable AC cable. The front panel shall include an AC power switch.

Its dimensions shall be 19 inches wide, 14.25 inches deep, and 2U (3.5 inches) high. Its net weight shall be 12 pounds, and its steel chassis shall be finished in blue. The unit shall be Aviom, Inc. model A-16D Pro A-Net Distributor.

**A-16D**

The Aviom A-16D shall employ the Aviom A-Net Pro16 audio transmission protocol to provide one channel of A-Net input and eight channels of A-Net data distribution for devices connected in an A-Net network. It shall digitally transmit full-bandwidth, high-quality audio by employing the Aviom A-Net Pro16 audio transmission protocol.

Front panel connectors shall be RJ45. LED indicators for power, remote power availability, and A-Net shall be provided.

Rear panel features shall include a detachable DC power cord and eight inputs for DC power supplies for Pro16 Personal Mixers. The unit shall be powered from an external universal power supply (input voltage 100 to 240 VAC; output voltage 18-24 VDC, 0.5 amps). It shall be UL and CE listed.

Its dimensions shall be 8.5 inches wide, 6.7 inches deep, and 1.5 inches high. Its net weight shall be 6.8 pounds, and its steel chassis shall be finished in blue. The unit shall be Aviom, Inc. model A-16D A-Net Distributor.