

## Overview

The MuxLab ProDigital Network Controller is a Linux-based PC that allows users to control hub-installed MuxLab products via an Ethernet Web interface.

When installed on a local area network (LAN), the MuxLab Network Controller will scan the LAN for connected MuxLab AV over IP products allowing the user to auto-discover, configure and control the connectivity of these products through an Ethernet Web interface. The Controller may also be managed by MuxLab's MuxControl App and the 500816-IP 8 Button IP PoE Control Panel. The unit may also be used to manage firmware upgrades of connected MuxLab devices.

An Application Program Interface (API) is available supporting a number of third party partner control applications running on smartphones and tables.

## Applications

Commercial and residential AV systems, digital signage, multi-room systems, retail systems, collaborative PC systems, and medical information systems.



## Key Features

- Centralized control of MuxLab AV over IP devices
  - Managed via Web Interface
  - Manages AV over IP device configuration & connectivity
  - Supports connectivity presets
  - May be managed by MuxControl App and 500816-IP 8 Button IP PoE Control Panel
  - Centralized management of AV over IP device firmware updates
  - Supports an API for Third Party App integration (\*)
  - Serves as a base platform to develop automation control applications
- (\*) *Third party drivers available via MuxLab Website*

MuxLab ProDigital Network Controller	
<b>CPU</b>	Intel Celeron J1800 Processor, @ 2.41GHz 4 cores
<b>Memory</b>	2GB DDR3
<b>Display</b>	Integrated Intel HD Graphics, 1x HDMI and 1x VGA
<b>Keyboard and Mouse</b>	USB keyboard and mouse (not required and not included)
<b>Peripherals</b>	<ul style="list-style-type: none"> <li>• USB 2.0 ports (3x)</li> <li>• SS USB 3.0 port (1x)</li> <li>• Network gigabit interface (2x)</li> <li>• VGA Video out port (1x)</li> <li>• HDMI Video out port (1x)</li> <li>• Audio in via 3.5mm port (1x)</li> <li>• Audio out via 3.5mm port (1x)</li> <li>• RS232 port (1x)</li> </ul>
<b>Operating System</b>	Ubuntu 18.04 LTS
<b>Temperature/Humidity</b>	Operating: 0 °C to 50 °C, Storage: -20 °C to 80 °C Humidity: 10% to 90% (non-condensing)
<b>Dimensions</b>	5.24 x 5.00 x 1.38 inch (133 x 127 x 35 mm)
<b>Weight</b>	1.5lbs (0.7kg)
<b>Accessories Included</b>	External 12VDC @ 3A Power Adaptor
<b>Regulatory</b>	FCC, CE, RoHS, WEEE
<b>Order Information</b>	500812 Pro Digital Network Controller (UPC: 627699008126)

**Typical Application Schematic**

