

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

Typical Application Schematic

