

AMX MU-1000

MUSE Automation Controller - ICSLan & PoE

AMX-CCC000



AMX MU-1000 MUSE Automation Controller

Overview

The AMX MU-1000 MUSE Automation Controller is a powerful, secure, and reliable device that provides a dedicated computing resource running HARMAN Professional's AMX MUSE automation platform. The MU-1000 can simultaneously process a virtually unlimited number of scripts written in JavaScript, Python, or Groovy and natively supports Low-Code development with Node-RED.

AMX MUSE Automation Controllers feature a modern embedded processor that's 10x faster than the processor in AMX NX Controllers, bountiful memory, and rugged, industrial grade eMMC storage. Built on HARMAN's secure Linux platform, MUSE controllers are designed to surpass the requirements of the most secure installations. Additionally, these Controllers natively support HARMAN's HControl (open-API), HiQnet (legacy HARMAN audio devices) and ICSP (legacy AMX control devices) protocols making them the ideal automation processor for any space, environment, or application - old and new.

The MU-1000 is small enough to easily conceal and is powered with PoE to simplify installation even further. An ICSLan network port provides an isolated network for controlled devices.

Features

- **Modern Embedded Processor** – Power to run a nearly unlimited number of scripts simultaneously
- **Robust eMMC storage** – Industrial grade storage provides reliability in high-access 24/7 installations
- **HControl, ICSP, and HiQNet Translation Built-In** – Native integration with new and legacy HARMAN Professional products
- **Secure Linux Platform** - Engineered to surpass the requirement of the most secure environments
- **ICSLan Port** - Create an isolated network for controlled devices

Specifications

CONTROL PORTS & INDICATORS - FRONT	
STATUS Indicator	RGB LED – see manual for detailed description
ID Button	ID pushbutton used during boot to revert to factory configuration or factory firmware
USB-C Program Port	Connection to PC for virtual terminal for MU configuration
LINK / ACT Indicator	Lit when connected to a network. Blinks upon network activity.
ICSLAN Indicator	Lit when connected to a network. Blinks upon network activity.

CONTROL PORTS & INDICATORS - REAR	
LAN PoE	RJ-45 10/100 BASE-T for Ethernet communication and PoE Auto MDI/MDI-X DHCP Client
ICSLAN	RJ-45 10/100 BASE-T for Ethernet communication Auto MDI/MDI-X DHCP server Provides isolated control network
USB Host Port	2x Type-A USB host port <ul style="list-style-type: none"> • USB Mass Storage – for external logging • FLIRC – IR Receiver for IR hand control input

POWER	
Power Requirements	PoE 36-57V @ 350mA Max
Power Consumption	15.4W Maximum – PoE 802.3af Class 0

ENVIRONMENTAL	
Operating Temperature	32° to 122°F (0° to 50°C)
Storage Temperature	14° to 140°F (0° to 60°C)
Operating Humidity	5% to 85% RH
Heat Dissipation (On)	10.2 BTU/hr

GENERAL	
Product Dimensions (HxWxD)	1" x 5" x 5" (25mm x 125mm x 125mm)
Product Weight	1.25 lb (472g)
Shipping Weight	TBD
Regulatory Compliance	<ul style="list-style-type: none"> • ICES 003 • CE EN 55032 • AUS/NZ CISPR 32 • CE EN 55035 • CE EN 62368-1 • IEC 62368-1 • UL 62368-1 • VCCI CISPR 32 • RoHS / WEEE compliant

