MU-STIX-CTL

Controller Platform for High-density HDMI Signal Generation and Analysis for the STIX Ecosystem

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Murideo's MU-STIX-CTL is the central hub of the STIX ecosystem—a 1RU controller built to coordinate and automate HDMI testing at scale. Through direct USB communication, it can trigger STIX-G generators, collect closed-loop feedback from STIX-A analyzers, and streamline every part of the testing workflow. The rear panel includes 48 USB Type-A ports, providing both data and power to connected STIX devices, eliminating the need for external adapters and keeping racks clean and organized.

A browser-based interface makes it easy to manage one or multiple MU-STIX-CTL units from anywhere on the network. At full capacity, up to 20 controllers can be daisy-chained, supporting as many as 960 connected STIX devices. The interface provides detailed HDMI signal information from each attached STIX device, supports full remote control, and displays real-time video thumbnails of generated signals.
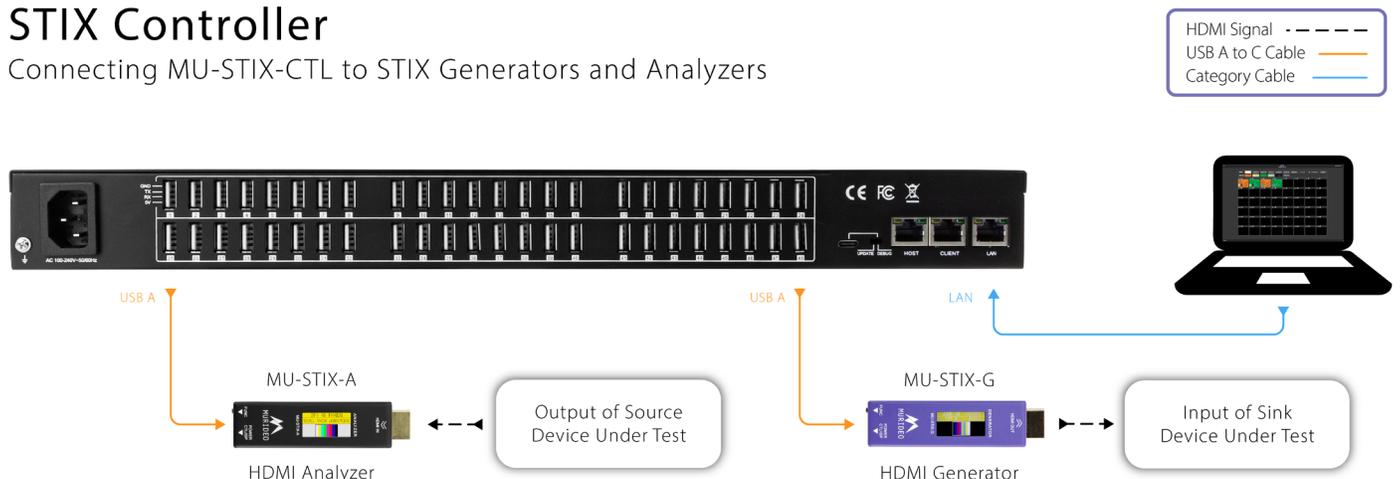
Built for high-volume QC and compliance testing, the MU-STIX-CTL is ideal for manufacturers, HDMI certification facilities, and engineering labs. Integrators deploying large AVoIP systems will also benefit from the MU-STIX-CTL ecosystem as a powerful pre-deployment verification tool—ensuring every device in the chain is fully tested and ready for the field.

FEATURES:

- Supports proprietary HDMI statistical signal monitoring and verification for up to 48 STIX analzyer and generator devices in a compact 1RU chassis.

- Centralized Web-based GUI for Precision Monitoring, Globalized Control, and Display of Real-time Video Thumbnails

- Multiple Controllers Cascade via RJ45 to Accommodate Large-Scale Compliance Testing, System Pre-Deployment Emulation, QC Protocols, and Computational System Signal Throughput Tracking

- USB-A Power Distribution Eliminates External Adaptors

STIX Controller
Connecting MU-STIX-CTL to STIX Generators and Analyzers

HDMI Signal - - - - -
USB A to C Cable
Category Cable

USB A

USB A

LAN

MU-STIX-A

Output of Source Device Under Test

HDMI Analyzer

MU-STIX-G

Input of Sink Device Under Test

HDMI Generator

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PRODUCT SPECIFICATIONS:

PORTS	
USB	48x Type-A (MU-STIX Devices) 2x Type-A DEVICE (Mouse, Keyboard) 1x Type-C (ISP)
HDMI Output	Type-A, Female (Web interface)
RJ45	1x LAN (web interface) 1x HOST (connect to CLIENT unit) 1x CLIENT (connect to HOST unit)
Power	IEC 320-C14, Male Recept
Ground	Grounding terminal
CONTROL	
Web Interface	Yes, LAN
ISP	USB Type-C
ENVIRONMENTAL	
Operating Temperature	23° to 125° F (–5° to 51° C)
Storage Temperature	–4° to 140° F (–20° to 60° C)
Humidity Range	5% to 90% RH (No Condensation)
POWER	
Power Consumption (Total)	160 W Maximum
Power Supply	Input: 100–240 VAC ~ 50/60 Hz
PHYSICAL / DIMENSIONS	
Mounting	1-RU Rack Mounting Brackets Rubber Feet
Dimensions (Unit Length/Width/Height)	mm: 259 X 439.7502 X 44.45 in: 10.196 X 17.313 X 1.75
Dimensions (Packaged Length/Width/Height)	mm: 565 x 375 x 125 in: 22.24 x 14.76 x 4.92
Weight (Unit)	8.25 lbs. (3.74 kg)
Weight (Packaged)	10.42 lbs. (4.73 kg)
Regulatory	CE/FCC/UL
Product Warranty	2 Years

We reserve the right to revise products anytime, which may result in changing specifications. Mass and dimensions are approximate.

BENEFITS:

A SCALABLE HDMI TEST PLATFORM: At full capacity, one to twenty* controllers support 960 STIX-A and STIX-G device combinations; RJ45-cascadable.

ULTRA-COMPACT ONE-RU FORM FACTOR: Space-saving at a single rack unit height.

POWERS CONNECTED DEVICES: USB Type-A provides data communication while powering all rear-panel-connected STIX analyzer and generator devices, eliminating the need for external adaptors.

CENTRALIZED WEB-BASED GUI: Easy testing setup and management control with remote network monitoring. One to twenty controllers may be cascade-linked via RJ45 to comprise a unified system. The GUI displays HDMI video thumbnails in real time.

DESIGNED FOR LARGE-SCALE TESTING: A unique, cost-effective, high-capacity testing and QC platform for manufacturers or distribution vendors wishing to QC HDMI I/O devices before finalized shipping.

It is also a viable, time-saving test regimen for commercial and residential integrators who routinely sell and install high-count AVoIP endpoint systems and seek complete QC pre-deployment.