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Unison Mosaic Atlas Pro

Control Series

GENERAL INFORMATION

Mosaic Atlas Pro controls your largest projects. Mapping large LED pixel arrays for building facades, bridges, and presentation walls is now simple. Play video content across multiple pixel arrays, or incorporate a range of creative, generative effects. Mosaic Atlas is available in capacities ranging from 25,600 to more than 1,500,000 addresses from a single controller

Mosaic Atlas Pro communicates with other network devices using Ethernet protocols or you can a play digital video content across your array from locally stored HD media files or an onboard live video input. Because Atlas Pro integrates with all other Mosaic family products, it is the perfect addition for any expanding pixel array installation.

APPLICATIONS
- High pixel count mapping

FEATURES
- Playback for a wide range of fixture types and video panels
- Pixel mapping for video effects
- DMX-over-Ethernet data output
- Built in triggering interface with conditional logic and timeclock based controls
- **VideoConnect**: digital-video input for live-video mapping
- **RealEngine**: ensures an accurate representation of your show whether in software simulation or when played live to connected controllers
- **DesignerAccess**: internal web server with active pages providing status, configuration information, remote monitoring, and remote show uploads
- Programmed and configured using Mosaic Designer software

REGULATORY AND COMPLIANCE
- cETLus Listed
  - Conforms to Part 1 UL-62368-1
  - Certified to CAN/CSA-C22.2 No. 60950-1
- CE Compliant
- California Title 20/24 compliant

ORDERING INFORMATION

Atlas Controllers

MODEL	DESCRIPTION
MALCP50	Mosaic Atlas Pro 25,600 Address Controller
MALCP100	Mosaic Atlas Pro 51,200 Address Controller
MALCP250	Mosaic Atlas Pro 128,000 Address Controller
MALCP500	Mosaic Atlas Pro 256,000 Address Controller
MALCP1000	Mosaic Atlas Pro 512,000 Address Controller
MALCP1500	Mosaic Atlas Pro 768,000 Address Controller
MALCP3000	Mosaic Atlas Pro 1,536,000 Address Controller
MALCP-B	Mosaic Atlas Pro Backup Controller

Related Show Controllers

MODEL	DESCRIPTION
MTPC	Tessera Panel Controller
MSC_[1]	Mosaic Show Controller
MSCX	High Capacity Show Controller
MALC	Mosaic Atlas Controller

[1] Available with one(1), two(2) or four(4) DMX universe output(s)

Related Products

MODEL	DESCRIPTION
M108-__	Button Station
M-TS	Mosaic Touchscreen
MRIO-I/O	Input/ Output Remote Device w/ Serial
MSC-NET	Five-port Ethernet Switch w/ PoE

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SPECIFICATIONS

GENERAL

- Support for two large pixel map of fixtures
- Additional video layers for text, simple overlays, or lower resolution clips, subject to hardware performance limit
- Live manipulation of content position and rotation
- Support for sACN, KiNet, Pathport, Art-Net and digital video
- Supports triggering from sACN and Artnet level input
- Battery-backed real-time, astronomical and lunar timeclock
- Triggering and show-control integration using optional remote devices
- Five-year warranty

FUNCTIONAL

- DVI video (HDMI compatible) input for live video at up to 1080p30 with support for all major formats including H.264/MPEG-4 AVC, MJPEG and QuickTime
- Scalable up to 40 Mosaic Controllers using standard Ethernet networking
- Project data stored in non-volatile, solid-state memory
- Resumes output automatically upon receiving power
- Supports conditional logic and scripting for integration
- Software and configuration upload using Ethernet
- Resumes playback automatically upon receiving power
- Ethernet integration with Mosaic RIO modules, Button Stations, and other Mosaic Show Controllers
- Integrated web server provides active monitoring and remote triggering using Ethernet

MECHANICAL

- Two E.I.A 19 in rack unit tall
- Rugged aluminum enclosure with integrated heatsink
- Plug-able rear panel data and power connections

ELECTRICAL

- 100–240 VAC, 50/60 Hz power input using IEC connector
  - Total power consumption of 2 A at 120 V and 1 A at 240 V
- Three 10/100/1000 Ethernet ports for data output, programming and system integration
- One DVI video input port for live video input
- One DVI video output to video based arrays
- One DB9 port for RS232 serial integration

THERMAL

- Ambient temperature: 0°–50° C (32°–122° F)
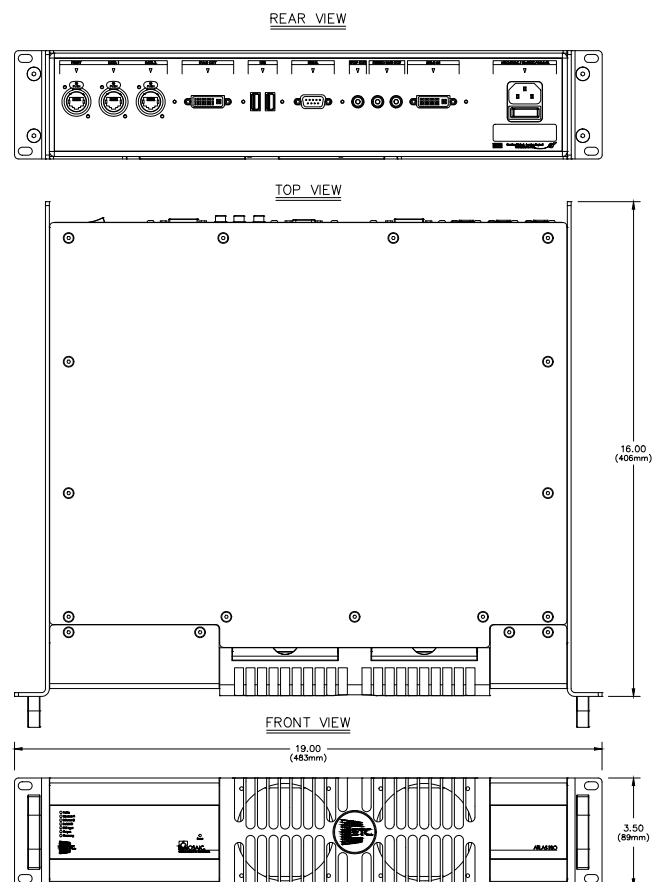- 10–50% relative humidity, non-condensing

PHYSICAL

Atlas Dimensions*

MODEL	HEIGHT		WIDTH		DEPTH	
	in	mm	in	mm	in	mm
All Models	3.5	90	19.0	483	16	406

Atlas Weights*

MODEL	WEIGHT		SHIPPING WEIGHT	
	lb	kg	lb	kg
All Models	16.5	7.5	21.0	9.5

*Weights and dimensions typical

REAR VIEW

TOP VIEW

16.00 (406mm)

FRONT VIEW

19.00 (483mm)

3.50 (89mm)

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