# **Integration Series**



# GENERAL INFORMATION

The Mosaic Network Switch is a convenient unmanaged Ethernet switch in a DIN rail form factor that provides networking and Power over Ethernet (PoE) for up to four Mosaic devices.

## APPLICATIONS

- Mosaic systems that require network connections
- Systems that use PoE to power controllers or accessories

# FEATURES

- Five-port, unmanaged Ethernet switch with four PoE ports
- Each PoE port supports up to 10 W maximum, 802.3af, Class 1, 2, and 0
- RJ45 connections for 10/100Base-TX Ethernet
- Supports sACN, Art-Net, KiNet, and other Ethernet protocols
- Low voltage 24 VDC power input
- Installer friendly for permanent installation with rising clamp terminal connection for power
- DIN rail installation

# **REGULATORY AND COMPLIANCE**

- cULus Listed
- CE and UKCA Compliant

# Type(s) Project Date Notes

# ORDERING INFORMATION

#### **Mosaic Ethernet Switch**

MODEL	DESCRIPTION
MSC-NET Mk3	Mosaic Five-port Network Switch with PoE

# **Mosaic Controllers**

MODEL	DESCRIPTION
MSC	Mosaic DIN rail Controller
MSC X Mk3	Mosaic High Output Rack-mount Controller
MALC	Mosaic Atlas Controller
MALCP	Mosaic Atlas Pro Controller

## **Mosaic RIOs**

MODEL	DESCRIPTION		
MRIO-A	Mosaic Audio/Timecode Remote Device		
MRIO-D	Mosaic DALI Remote Device		
MRIO	Mosaic Input/Output and Serial Remote Device		

## **Mosaic Accessories**

MODEL	DESCRIPTION		
M-TS5	Mosaic 5-inch Touchscreen		
M-TS8	Mosaic 8-inch Touchscreen		
M108	Mosaic 8-button Station		
MSC-NET Mk3	Mosaic DIN rail Network Switch		
MSC-PS24	Mosaic 24 V DIN rail Power Supply		



# **Integration Series**

# PRODUCT SPECIFICATIONS

## GENERAL

- No configuration required
- Standard Ethernet connections using RJ45 terminated to T568b standard
- Five-year warranty

## MECHANICAL

- Six-unit wide DIN enclosure complies with DIN43880 and EN60715 (35x7.5 rail)
- Rugged aluminum enclosure
- Power connection uses pluggable rising clamp terminals

# ELECTRICAL

- Five RJ45 connections supporting 10/100Base-TX Ethernet
  - Link/Data and PoE Status LEDs
  - Static and DHCP addressing supported
- Four ports provide Power over Ethernet (PoE) IEEE 802.3af
  Each PoE port is limited to 10 W
- PoE device detection and classification (Class 1, 2, and 0 up to 10 W)
- Auto-detection for full or half duplex operation
- Auto speed detection per port (10/100Base-TX)
- Supports auto-detection of cable type for uplink
- Individual status indicators for:
- Power
- Active
- Ethernet
- PoE
- Port activity (Port 1-Port 4) link and data activity
- Error
- 24 VDC Power Input
- Power consumption dependent on the load. 45 W maximum required for fully loaded PoE ports

# THERMAL

- Ambient Temperature Range 0°C to 50°C (32°F to 122°F)
- Relative humidity of 10%–90%, non-condensing

## PHYSICAL

### **Dimensions**<sup>†</sup>

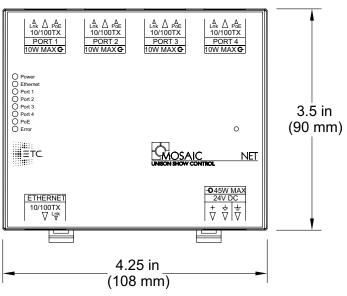
MODEL	HEIGHT		WIDTH		DEPTH	
	in	mm	in	mm	in	mm
MSC-NET Mk3	3.5	90	4.25	108	1.6	40

#### Weight<sup>+</sup>

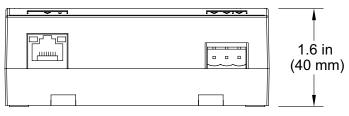
MODEL	WEIGHT		SHIPPING WEIGHT	
	lb	kg	lb	kg
MSC-NET Mk3	0.7	0.3	0.9	0.40

†Weights and dimensions are typical





### BOTTOM VIEW





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