



Type(s)

Project

Date

Notes

## 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

## 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 |

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
    - Ethernet
    - Port 1
    - Port 2
    - Port 3
    - Port 4
    - PoE
    - Error
  - 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†

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

Weight†

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

†Weights and dimensions are typical

