

artCore

Description

artCore is a compact, PoE-powered application lighting and integration controller, providing 32 universes of control and enabling scalable, intuitive lighting systems to be created using Art-Net, sACN and secure Sig-Net communication.

Providing centralised lighting control, automation and system integration, *artCore* combines multi-zone scene control, sequences, master controls, flexible button modes and startup logic with an astronomical timeclock supporting NTP and RTC operation. Multiple *artCore* controllers can be cascaded for larger systems or redundancy.

Operating standalone or as the central core of a *cueLumen* solution, *artCore* supports up to 128 keypads and unlimited touchscreens. The free *Composer* offline configuration tool provides system-wide push/pull configuration, while enhanced web-based logging simplifies commissioning, diagnostics and ongoing system management.

Mechanical

- Mounting: DIN rail (35 mm) or surface
- Material: Polycarbonate Plastic - UL94-V0 rated
- Overall Dimensions: 70.4mm / 4M (W) x 90mm (H) x 62mm (D)
- Mass: 0.2 kg

Environmental

- Operating temperature: 0°C to 40°C
- Storage temperature: -10°C to +50°C
- Operating relative humidity (max): 80% non-condensing
- IP rating: IP20 indoor use only
- Certification: CE, UKCA, WEEE, RoHS

Power & Electrical

- PoE (IEEE 802.3af- 2003)
- PoE Power: Negotiates Class 2 (3.84W -6.49W)



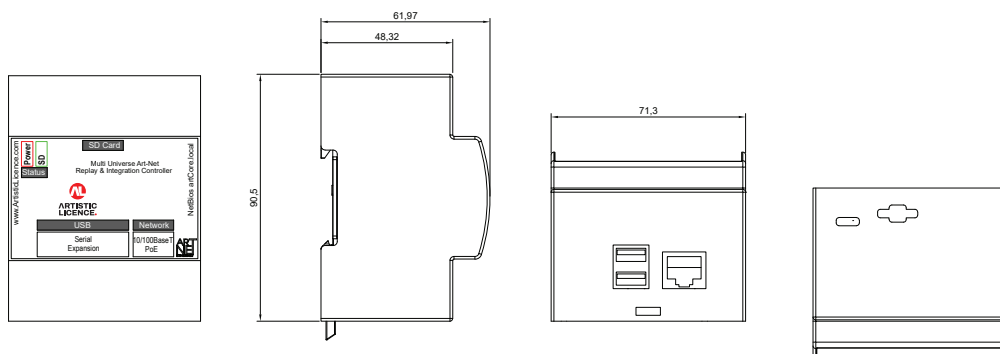
Control & Configuration

- 32 universes of lighting control
- Supports industry-standard Art-Net and sACN
- Secure Sig-Net communication
- Complete standalone application lighting controller
- Central control core of the *cueLumen* solution
- Multi-zone control with extensive scene storage
- Capture scenes direct from a production lighting console or set in the free *Composer* configuration tool
- Sequenced events for automated lighting operation
- Master controls for system-wide or grouped control
- Multiple button operating modes for flexible user-interface behaviour
- Configurable startup logic defining system behaviour following startup or power restoration
- Integrated astronomical timeclock for time, sunrise and sunset based operation
- Time synchronisation using NTP, with internal RTC
- Multiple artCore controllers can be cascaded for larger systems or redundancy
- Touchscreen user interfaces with no fixed touchscreen system limit
- Supports up to 128 keypads
- Integration with external control and automation systems
- Administrator web interface for configuration, monitoring and system management

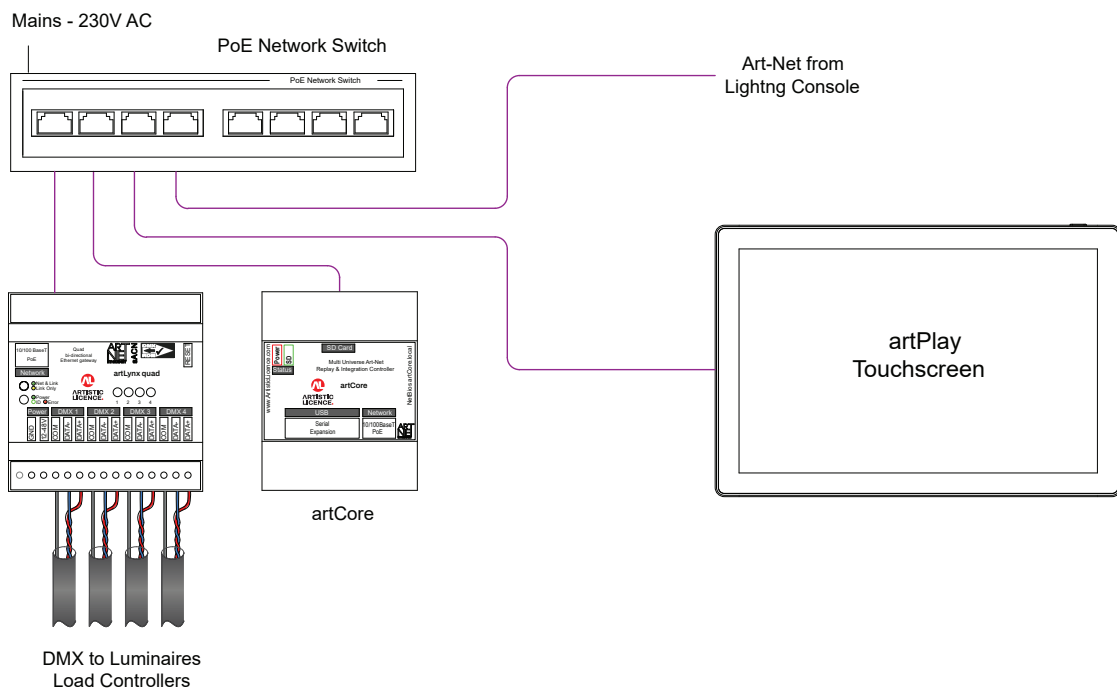
Configuration

- *artCore* can be configured with the free *Composer* offline configuration and system-management software
- Complete systems can be configured offline before deployment
- Push and pull system configuration between *Composer* and the installed system
- Internal system logging and diagnostics
- Administrator web interface for configuration, monitoring and system management
- Secure firmware and project update

Dimensions



Application diagram



artCore_datasheet_20260901_V4

info@artisticlicence.com

www.artisticlicence.com

Tel: +44 (0)208 863 4515

Artistic Licence Engineering Ltd
The Mould Making Workshop,
Soby Mews, Bovey Tracey
TQ13 9JG

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