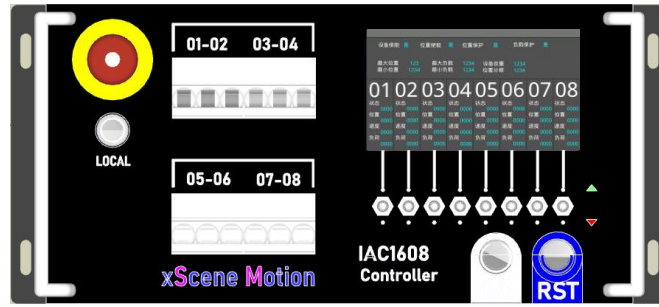




FOX System

Fixed Speed Digital Motor control system



System Overview

FOX system platform is a flexible, configurable, and secure digital control solution designed for applications such as **fixed**-speed electric hoists or other motors.

The system can accommodate up to 12 IAC1608 controllers (96 channels) in a plug-and-play manner, which means all devices are self-organizing and self-healing without user configuration. Via Ethernet, the system can be used on the Aurora console [GoatShow] for large-scale and complex scenarios.

Safety features include position monitoring, limit monitoring, phase sequence error detection, overload and underload protection, loss or reduction of the supply voltage detection, motor current monitoring, group halting, etc.

Specifically, IAC1608 and the EXTRA-T series **fixed**-speed hoist (D8+) and KiloCell series digital loadcell can be used to easily create an EN17206 compliant systems for fixed-speed hoists or motors.

IAC1608

8 CHANNEL CONTROLLER

DIRECT CONTROL

KEY FEATURES

- Local controls on the front panel with 8x3-position travel direction switch (UP-OFF-DOWN).
- "GO" hold-to-run controls with a "LOCAL" button enabled, allow multiple units to be controlled by a single go button.
- Emergency stop meets SIL3 standards with dual power supply contactors, specifically featuring self-healing emergency stop connections.
- Power supply quality inspection includes automatic phase reversal detection, supply voltage monitoring, and power supply frequency assessment.
- Each pair of motors is equipped with 4 MCBs, and 16 direction contactors with interlocking and mirror contact feedback.
- Optional upgrades include Ethernet connectivity, position encoder integration, limit switch compatibility, and KiloCell connectivity.
- RCD protection and motor current protection are available.
- Each channel is equipped with a 7" IPS screen for feedback display.

TECHNICAL SPECIFICATIONS

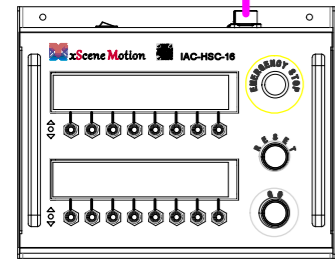
| | |
|---------------|---|
| POWER SUPPLY: | one 5-pin 32A Red Ceeform plug on 2m trailing lead with 400VAC, 32A 3-phase + neutral + earth 50~60Hz |
| OUTPUTS: | 8 x CeeForm 400VAC 16A 3-phase + earth panel sockets |
| DIMENSIONS: | 605 x 485 x 223mm (excluding cables, connectors and mounting hardware), 4U 19" rack mountable |
| WEIGHT: | 20~30kg (depending on configuration) |
| ENVIRONMENT: | IP30, 0~50°C, Natural air cooling |



FOX system for fixed-speed hoists

HSC : used for simple cases, also you can use local control with IAC1608 panel

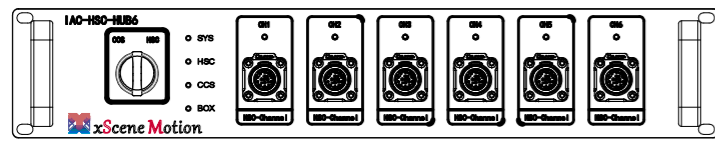
Console[GoatShow]: used for large and complex cases



IAC-HSC16 Max 6x HSC

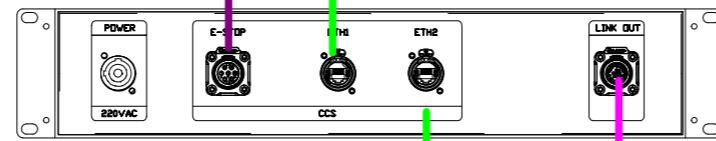


Console

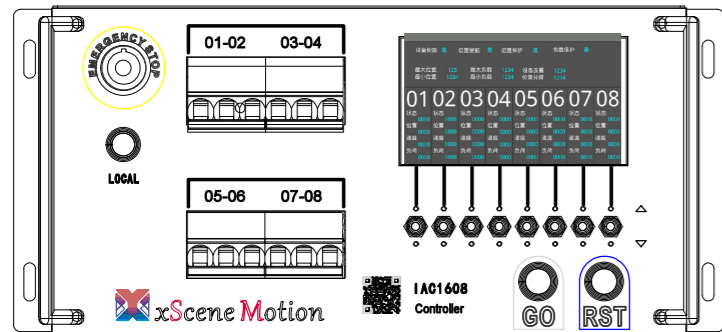


IAC-HSC-HUB6

Front

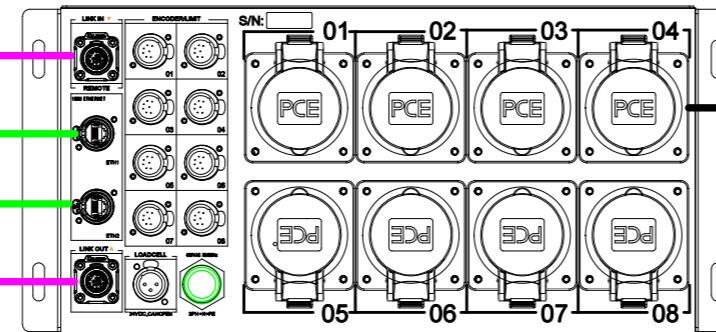


Back



IAC1608 DC Control

Front



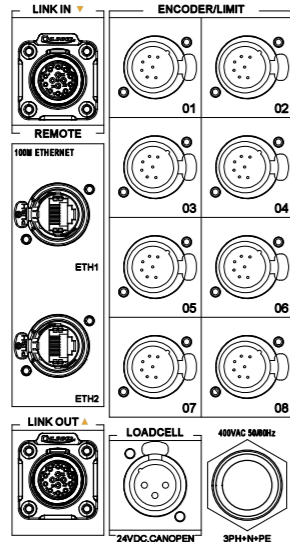
Back

Optional:

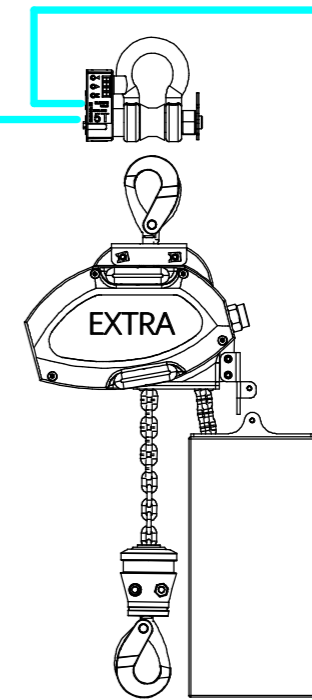
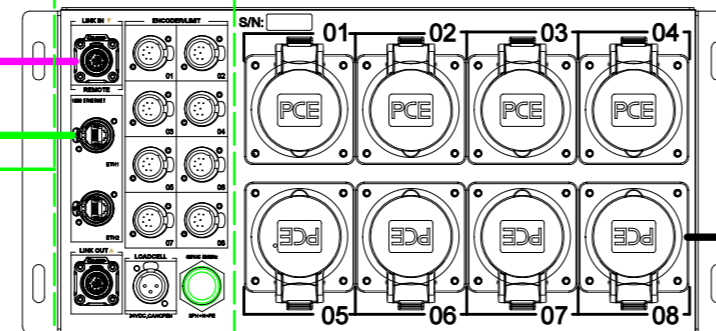
Ethernet:
2x EthCon

Limits&Encoder:
8x XLR-7M

KiloCell :
1x XLR-5M

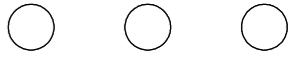


Max 12 x IAC1608



Max: 8x KiloCell per IAC1608

Max: 8x Hoist per IAC1608



- CBL-A14-xxx
- CBL-A09-xxx
- CBL-B05-xxx
- CBL-B07-xxx
- CBL-C04-xxx
- CBL-D08-xxx

Max 96CH

