

S4i INTEGRATION BROKER - COM-DALI-DYN

COMMERCIAL LIGHTING EXAMPLE CASAMBI (DALI) to DYNALITE INTEGRATION (local control only - no Casambi Cloud Service)

SINGLE DYNALITE NETWORK

S4i INTEGRATION BROKER (IB)

- S4i Integration Broker is a licenced software application installed on a Host processor of your choice, to provide interactions between independent applications at the application-logic level. The Broker, with appropriate licences can facilitate a number of different integrations simultaneously

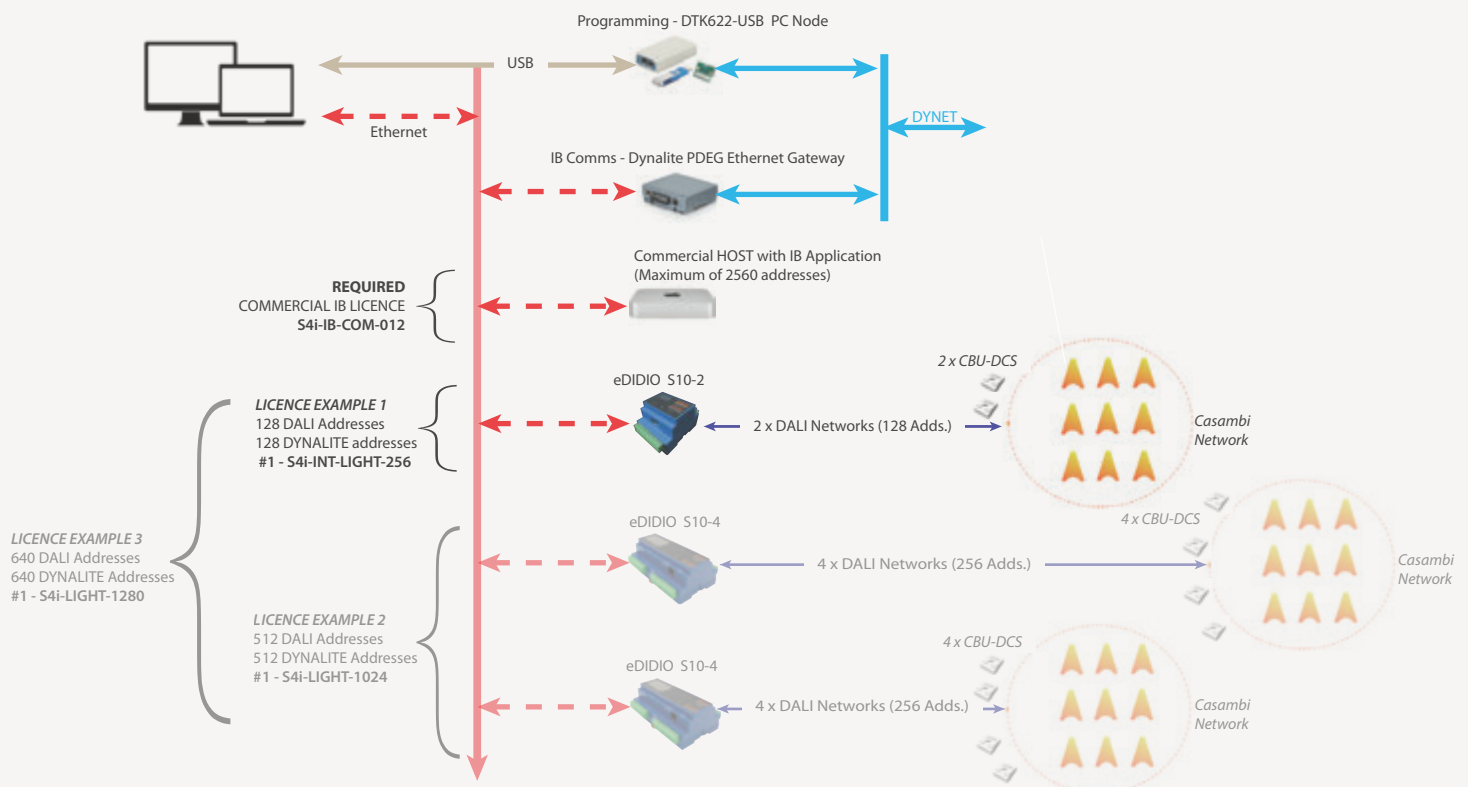
COMMERCIAL - CASAMBI (DALI) to DYNALITE INTEGRATION

- Provides seamless integration between a Casambi lighting network (via DALI) and a single Philips Dynalite lighting control network without the support of Casambi Cloud Service
- Dynalite Integration provides local control only of Casambi lighting
- The solution does not rely on Casambi Cloud services to operate - No permanent Internet connection is required for control operation
- Licence activation and renewal requires an Internet connection

Note the Casambi App. can operate Casambi lighting simultaneously with Dynalite updating status correctly

- The benefit of this solution can be seen when high security is required and permanent Internet connection is not possible, or as a fail-safe method of maintaining control of Lighting if Internet connections are unreliable

TYPICAL COMMERCIAL IB and LIGHTING LICENCE USAGE for CASAMBI to DYNALITE INTEGRATION *supports 12 Integration Licences and up to 2560 Lighting Channels*



REQUIREMENTS

- IB Licence for Host processor - (*Commercial IB Licence supports up to 12 Integration licences (#1, #2, #3 --- #12)*)
- Lighting Integration Licence to the total number of channels for both Dynalite + DALI systems
(*Maximum of 2560 Lighting addresses supported*)

LICENCING

- Select Commercial IB Licence for this Solution
- Select Lighting licence to the nearest number of TOTAL channels required for both DALI & DYNALITE systems
Note RGBW requires 4 or 5 channels (RGBW+dim or HSV+dim) to operate and TW (Tuneable White) requires 2 Channels (TC+dim)

NOTE: DO NOT EXCEED the total number of Integration Licences available in the IB Licence (max. 12)

INTEGRATION LICENCE OPTIONS

TYPE

S4i-IB-COM-012	-	COMMERCIAL IB Licence - supports up to 12 Integration Licences
S4i-INT-LIGHT-064	-	Lighting Integration Licence - supports up to 64 addresses
S4i-INT-LIGHT-128	-	Lighting Integration Licence - supports up to 128 addresses
S4i-INT-LIGHT-256	-	Lighting Integration Licence - supports up to 256 addresses
S4i-INT-LIGHT-576	-	Lighting Integration Licence - supports up to 576 addresses
S4i-INT-LIGHT-1280	-	Lighting Integration Licence - supports up to 1280 addresses
S4i-INT-LIGHT-2560	-	Lighting Integration Licence - supports up to 2560 addresses

CONTROL FUNCTIONS

- Lighting control functionality is dependant on;
 - a) Casambi DALI DCS Gateway internal capabilities
 - b) DALI Gateway/s used to connect DALI Lines to the IB
- Please refer to S4i Gateway Function Matrix datasheet for details of recommended units

RECOMMENDATIONS:

Commercial Host processor

- Apple Mac Mini M1 (8GB - 256GB)
- CPU: X86_64, 4+ Cores, RAM: 16GB+, SSD: 256GB+ - W10 IoT Enterprise
- CPU: X86_64, 4+ Cores, RAM: 16GB+, SSD: 256GB+ - AlmaLinux OS® 8.5 software (64-bit version) or greater

DALI/Ethernet Gateway

- Casambi CBU-DCS - Casambi Dali gateway
- Control Freak - eDIDO S10 Series DALI controller/s - DALI Ethernet
(<https://creativelighting.com.au/index.php/ethernet-dali-dmx-controller-edidio/>)
- ADFWeb - HD67845-B2 DALI / Modbus TCP Slave Converter (no RGBW or TW)
- Dynalite PEDEX Series Ethernet Gateway

CONDITIONS:

- S4i Integration Broker Solution is a software solution only
- NO hardware is SOLD by S4i - (Sourcing and purchasing of recommended hardware is the sole responsibility of the integrator)
- S4i only recommends hardware that has been tested
- S4i takes no responsibility for IB Solutions running on unrecommended hardware
- S4i does NOT provide support for the design, setup, configuration or operations associated with;
 - Casambi hardware & networks
 - Dali hardware & networks
 - Dynalite hardware & networks
 - Ethernet hardware & networks