

S4i INTEGRATION BROKER - COM-CAS-S4iUSB-DYN

COMMERCIAL LIGHTING EXAMPLE

CASAMBI with S4i USB Gateway + S4i IB 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. No proprietary hardware, BYOD, multi-platform and zero code.

COMMERCIAL - CASAMBI to DYNALITE INTEGRATION

- Provides seamless integration between a Casambi lighting network via an S4i USB Gateway, an S4i IB and a single Philips Dyalite lighting control network without the support of Casambi Cloud Services
- Integration provides local bi-directional control of Casambi lighting with accurate channel status
- 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 a temporary Internet connection

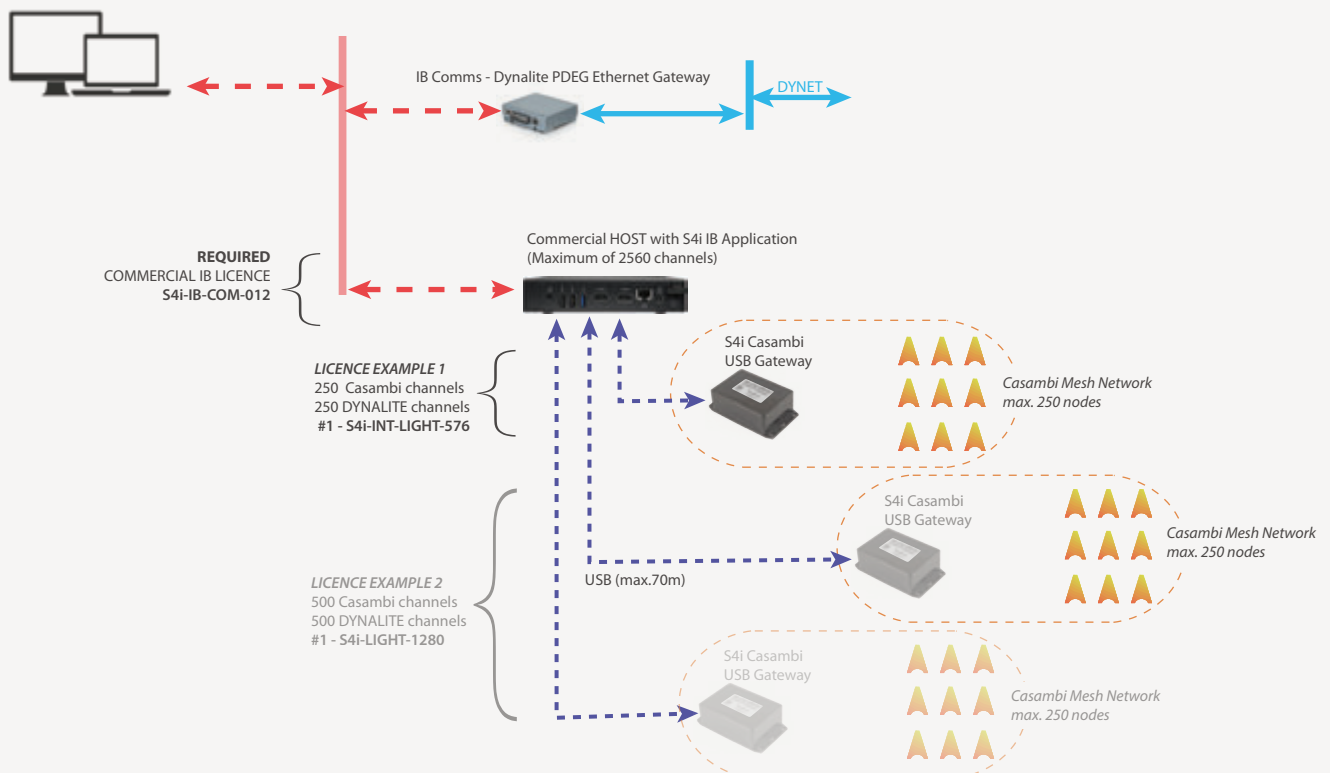
Note the Casambi App. can operate Casambi lighting simultaneously with Dyalite updating status correctly

- 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)*)
- S4i USB Casambi Gateway
- Lighting Integration Licence to the total number of channels for both Casambi + Dynalite systems
(*Maximum of 2560 Lighting channels supported*)

LICENCING

- Select Commercial IB Licence for this Solution
- Select Lighting licence to the nearest number of TOTAL channels required for both CASAMBI & 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-XAPI-001	-	3rd Party Control Integration API - S4i XAPI Licence
S4i-INT-LIGHT-064	-	Lighting Integration Licence - supports up to 64 channels
S4i-INT-LIGHT-128	-	Lighting Integration Licence - supports up to 128 channels
S4i-INT-LIGHT-256	-	Lighting Integration Licence - supports up to 256 channels
S4i-INT-LIGHT-576	-	Lighting Integration Licence - supports up to 576 channels
S4i-INT-LIGHT-1280	-	Lighting Integration Licence - supports up to 1280 channels
S4i-INT-LIGHT-2560	-	Lighting Integration Licence - supports up to 2560 channels

CONTROL FUNCTIONS

- Lighting control functionality is dependant on;
 - a) Casambi internal capabilities
 - b) Gateway used to connect the IB
- Please refer to S4i Gateway Function Matrix datasheet for more details details

RECOMMENDATIONS:

Min. Commercial Host processor

- Apple Mac Mini M1 (8GB - 256GB)
- TBOX-12310 Industrial Intel Celeron J1900 fan-less Box PC - Win10 IoT Enterprise 2019 LTSC
- CPU: X86_64, 4+ Cores, RAM: 16GB+, SSD: 256GB+ - Win10 IoT Enterprise
- CPU: X86_64, 4+ Cores, RAM: 16GB+, SSD: 256GB+ - AlmaLinux OS® 8.5 software (64-bit version) or greater

Gateways

- S4i USB Casambi Gateway
- Dynalite PEDEX Series Ethernet Gateway
- S4i USB Casambi Gateway

CONDITIONS:

- S4i Integration Broker (IB) is a software solution only
- 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