

S4i INTEGRATION BROKER - COM-CAS-S4iUSB-XAPI

COMMERCIAL CASAMBI to 3rd PARTY SYSTEM INTEGRATION with S4i USB Gateway + S4i IB + XAPI (local control only - no Casambi Cloud Service)

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 3rd Party Control System INTEGRATION using XAPI

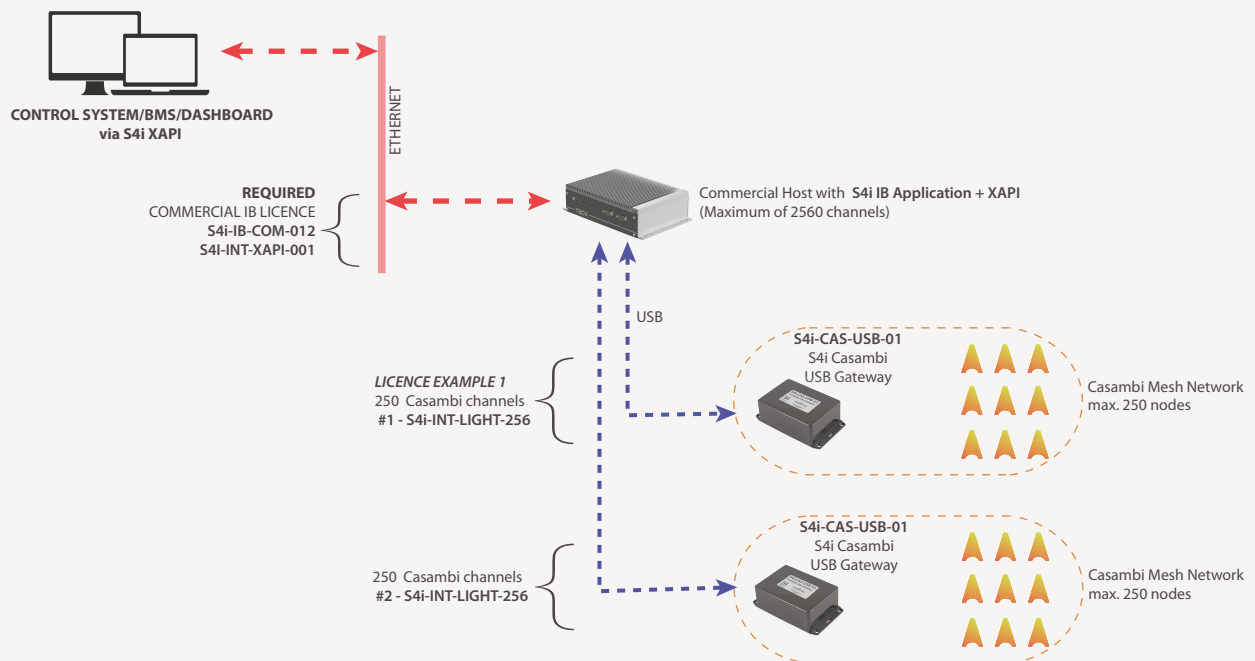
- Provides seamless control system integration with Casambi lighting network via an S4i USB Gateway, an S4i IB and S4i XAPI Application Interface
- Integration provides local bi-directional control of Casambi lighting with accurate channel status
- The solution does not rely on Casambi Cloud services to operate - No permanent Internet connection is required for control operation
- Licence activation and renewal requires an Internet connection
- Auto-mapping requires a temporary connection to Casambi cloud services only

Note the Casambi App. can operate Casambi lighting simultaneously with IB XAPI integration with correct status updates
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 LICENCE USAGE for

CASAMBI to 3rd Party Control Systems with S4i Casambi USB Gateway + S4i XAPI

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 XAPI Licence for API
- Lighting Integration Licence/s to the total number of channels for Casambi
(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 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

RECOMMENDATIONS:

Commercial Host processor

- Intel NUC 8 RUGGED FANLESS, CEL-N3350+, 8GB-16GB, 64GB - Win10 IoT Enterprise 2019 LTSC
- TBOX-12310 – Industrial Intel Celeron J1900 fan-less Box PC, 8GB-16GB, - Win10 IoT Enterprise 2019 LTSC
- Apple Mac Mini M1 8GB
- CPU: X86_64, 4+ Cores, RAM: 8GB+, SSD: 256GB+ - Win10 IoT Enterprise
- CPU: X86_64, 4+ Cores, RAM: 8GB+, SSD: 256GB+ - AlmaLinux OS® 8.5 software (64-bit version) or greater

Gateway

- S4i USB Casambi Gateway - supports up to 250 Casambi channels

CONDITIONS:

- S4i Integration Broker (IB) Solution 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