INTEREL

205

Powered by the INTEREL OS and connected with WiFi, 2xBLE, and Zigbee*

EOS is the most integrated IoT thermostat for smart buildings.

Fusion sensor

Combining data from 6 sensors for presence and activity sensing

INTEREL

OS Track record of improving hardware OTA software updates over the course of a decade

Global fit

Built to fit the diverse requirements of global HVAC applications and MEP standards

Built for

scale

Using technology to reduce total cost of ownership and achieve scale in the select service tier



OFF °C|°F °C|°F

HG

Partners in success

HYALT ROSEWOOD

A Alarriott





() Hilton





A thermostat, but also an environmental fusion sensor and IoT hub

for endless app opportunities delivering future growth.



Target markets in hospitality

Ratios

5 ★

New build

New build

Retrofit

 $4 \star$

3 🗙

100

3+4 ★

10 Retrofit



Guest Room Management System for Luxury hospitality

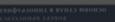
- Highly customizable
- Full featured room controls
- Advanced lighting controls



EOS

Enterprise-grade WiFi thermostat, IoT hub and environmental fusion sensor

- Single component solution
- Integrated sensors and I/O reduce total hardware and project costs
- Cloud connected & OTA updates
- Mobile app enabled deployment
- Virtualized hardware
- INTEREL app store for laaS and SaaS applications
- Built-in multi-radio/standard
 IoT infrastructure
- Fusion sensing for presence and activity sensing

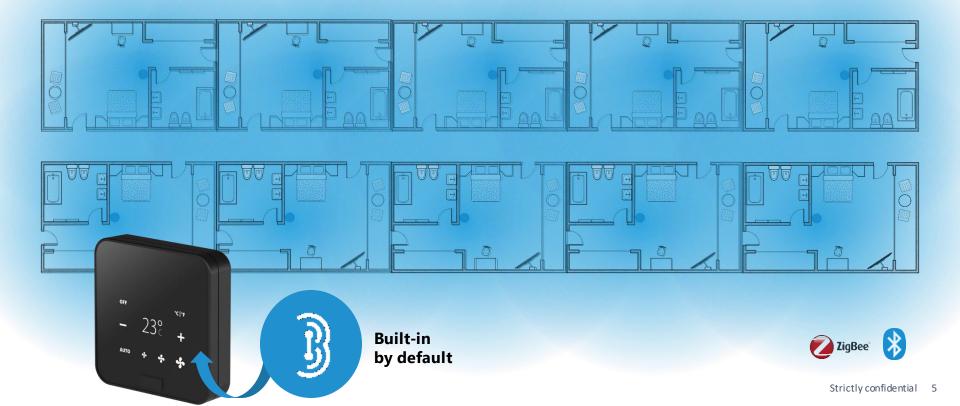


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Infrastructure as a Service (laaS)

Making an entire building IoT-ready requires a digital infrastructure that allows smart devices to communicate wirelessly with each other.

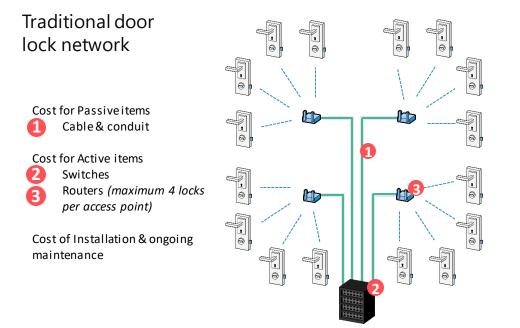
With connectBsmart, hotels do not need to install a dedicated BLE infrastructure. INTEREL devices with connectBsmart technology can not only communicate with, but also bring online, other devices over Bluetooth and ZigBee.

Since connectBsmart is a technology that is built into powered, online devices, it overcomes all traditional limitations of BLE beacons.

Proven use case: Networking of guest room door locks



Delivered in thousands of rooms with the leading door lock vendors



Built in IoT infrastructure for IaaS and SaaS applications



- No single point of failure
- Advanced real time event exchange
- No additional wiring for door lock system
- Eliminate ZigBee mesh networks
- Most cost effective way to network door locks

KVKV



Apps for service delivery optimization

Extending guest convenience and staff workflow efficiency to select service properties.

Room Services & Express checkout

- Hardware features built in, but dormant at launch
- Activated by OTA update
- Leveraging existing partnerships and proven integrations to market leading service optimization solutions
- EOS extends UI to become the guest service panel
- Guestroom status is communicated to all hotel systems, along with guest presence in room







INTEREL



Building Management Systems

Leverage our real-time data to manage your central equipment and plant more efficiently. Centralize alarms and gain deeper insights on how your building operates.

Johnson M Controls

Honeywell SIEMENS

Property Management Systems

SPAR

amadeus

Sold out or not so busy? Make your rooms a ware of occupancy status and drop your energy consumption without lifting a finger.

ORACLE protel

7 SIHET

Workflow Management Systems

Increase your team's efficiency and automate common workflows across systems - from cleaning requests to do not disturb and less traditional chores.

FCS)

amadeus

Voice Assistants

Supercharge your voice assistant and enable temperature, lighting control and more. Just say the word.

Angle smartbelings

WORKS WITH

Enabling the INTEREL App Store

Lighting and power

Retrofit? Wireless light switches and outlets can be controlled by our thermostats. New build? We have all the options for your lighting design, from dimming to DALI and DMX.

Cilegrand

GIRA VIMAR

IASCO

Door Locks

SALTO

Intelligent online access control, and advanced energy management - without additional infrastructure.

Mobile apps

iRiS

Drive usage of your smartphone and tablet solutions. Advanced room control at the tap of a finger.





Cinema atmosphere for your guests without touching a light switch - set

InnSpire digivalet

the mood from the TV.

IPTV



Onity HAFELE ASSA ABLOY

di

digivalet



INTEREL App Store





Energy Management

We built a very powerful state machine into INTEREL OS. This state machine allows our energy management to be adjusted to the specific requirements of your property, while still benefiting from our vast experience in energy management.

Lighting Control

Whether your property has simple on-off lighting or the most complex lighting scenes designed by a lighting consultant, INTEREL OS can control it. Plenty of options for dimming including technologies like DALI and DMX satisfy even the most challenging requirements.



Cloud updates

In our latest release we have now included over-the-air update functionality in INTEREL OS. This opens up a world of feature growth not only to INTEREL OS but to all our submodules and radios. A monumental step for INTEREL OS and the future capabilities of our hardware.



Process

automation proprietary automation tools and paired with INTEREL OS it became a very fast and powerful tool for our logic programmers to meet our customer's requirements without having to go back to R&D for firmware development.



Common software platform

based on Free RTOS[™] with open APIs





Smart Building Infrastructure

What you see are sleek, minimalistic switches and thermostats. But it's what's hidden inside that's even more beautiful: INTEREL's award-winning connectBsmart IoT infrastructure can connect the countless devices your property has today, and more importantly, the ones of tomorrow.

Hardware, Software, Services

We engineer our hardware and software to work together seamlessly. This allows INTEREL OS to utilize the physical resources of our products to the fullest extent and it allows us to constantly deliver more value to our customers on the same hardware.



HVAC Expertise

HVAC is at the core of what we do. This is why we built a very powerful HVAC engine into INTEREL OS, that can deal with the many HVAC environments we find across the world.



While they all open doors, every smart lock supports a distinct set of features that makes them different to their competitors. We support the varying and nuanced requirements of each brand resulting in powerful integrations.

Smart Lock Interfaces



Powerful API

Allow our Hotel partners to monitor and control the thermostat and individual equipment readings or features through their own:



Workflow Staff Optimization Systems



Property IPTV Systems Management and Guest Mobile Systems Apps API supports remote control of all common and more advanced functions through tenant app and platform:

TEMPERATURE

73.0 F

Living room

Read temperature Set temperature



Set fan mode (auto/off) Set fan speed (1-2-3)

INTEREL

Shipping now



Housing Color Voltage **White 24 V**

HVAC compatibility

- 2 pipe, 3 fan, heat/cool FCU
- 4 pipe, 3 fan, heat/cool FCU
- Heat pump, 3 fan, cool only
- Heat pump, 2 fan, reverse valve heat
- PTAC, 2 fan, heat strip

Energy Saving Features

- Built-in motion sensor
- Interfaced to 3rd party wired devices
- Preset welcome temperature
- Preset room empty temperature
- Dead band management of HVAC
- PMS integrations

Door Lock integrations Coming soon

Smart thermostat and smart lock – integrated on the same infrastructure

Some of our current smart lock partners

dorma kaba⊯ ASSA ABLOY HAFELE Ü⊓ITY



Monitor battery life in locks and replace proactively

No single point of failure

No additional wiring or infrastructure for smart lock

Advanced real time event exchange

Delete lost master keys from all locks in seconds

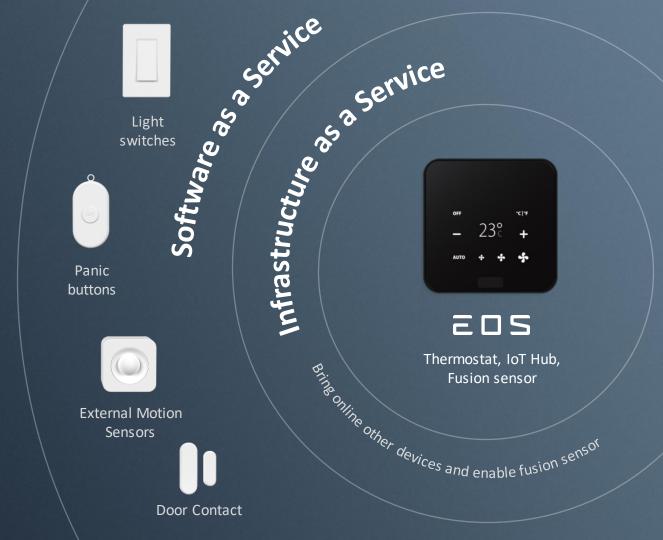
One-way and twoway interfaces Occupancy based energy management using egress events

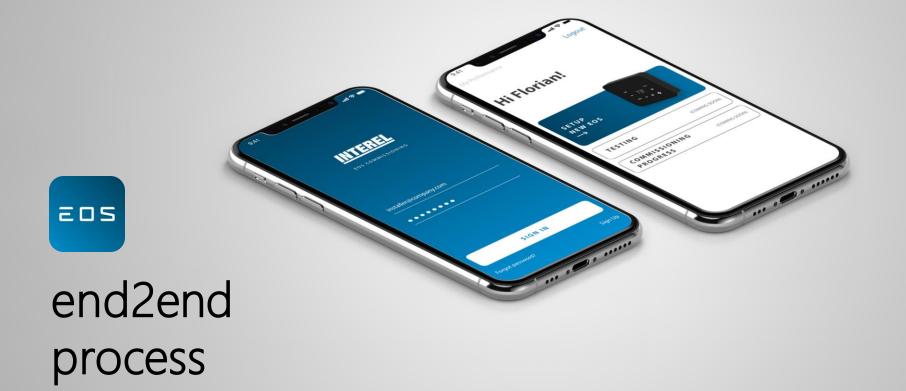
Enabling remote move-in/out No application specific siloed infrastructures

Most cost-effective way to network door locks

Advanced lock management functions without depending on mobile phone/app being present

IoT hub Coming soon





A data collection process that results in less complexity for the field technician





Collect data about the HVAC system in the online quotation (1) and post purchase (2) forms.

Upload correct firmware and configuration settings for EOS to online file repository.

Field technician can commission EOS by simply entering the unit number, "one touch".

The commissioning process packaged into a simple app

The **unit number** acts as the only identifier in the INTEREL cloud to access and upload the correct files and settings to EOS.

All the field technician needs to know is the unit number for successful commissioning.



Drastically reduce commissioning errors on site.



Doesn't depend on skill level of field technicians. **INTEREL** cloud



off "c|"f - 73° + auto + + ∳

An app as the commissioning tool

The field technician connects to EOS through his/her phone.

EOS goes online through the phone.

-	

No extra hardware required



No separate infrastructure required

