



WDB-001

Desk Booking Device with Occupancy Sensor and NFC/HID Reader

Automated hot-desking and desk-hoteling for open workplaces



Optimize Workplace Efficiency

Built-in click-button enables workplaces to collect at-desk usage data



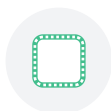
Built-In ID Reader

Conveniently check-in and -out through NFC/HID ID authentication



Built-In Occupancy Sensor

Auto-detect and notify about desk-ghosting and desk-camping



Peripheral LED Lights

Different lights to highlight desk status and user availability



Minimalist Mounting

Adaptive desk and partition surface mounting



Clean Installation

Single-wire-installation for Desk Booking Device and Gateway. Enabling neat and simple integration

With IAdea Desk Booking Device, there is only one season in open workplaces: Hot



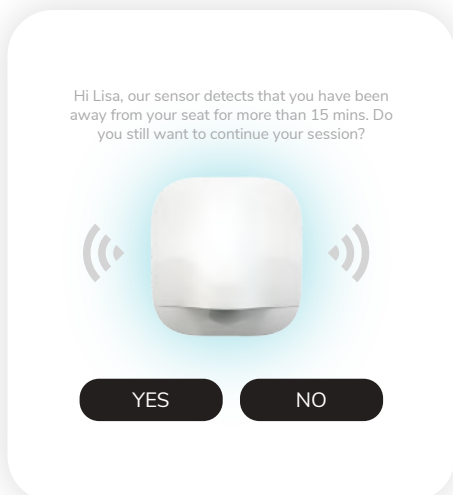
Facilitating a Frictionless Workplace

Scan. Sit. Work.

The IAdea Desk Booking Device enables open workplaces to allow its users to book free desks through 3rd party software, at-a reception area, or directly at the desk. Since users can see the availability status on each desk, they don't need to waste time on queuing a reception, taking tickets or floating around the facility in search of a free space to work.

Easy Check-Ins and -Outs with Personal ID

IAdea Desk Booking Device makes it even more convenient for users to directly book a desk in-person, by simply scanning their workplace-issued ID. This feature also adds another layer of security for the user, as desk booking cancellations or extensions must be completed with the same user ID.



The Mighty Sixth-Sense

With a built-in occupancy sensor, the IAdea Desk Booking Device is always watching for desk-ghosting and desk-camping. If a desk reservation is not confirmed within a set timeframe, the desk will be automatically released. When the device detects an unverified user occupying a desk, it will automatically notify management to proactively check the situation.



Distraction-less Design

With screens and bright lights everywhere these days, it's easy to get distracted. The IAdea Desk Booking Device is deliberately designed display-less and with minimal direct lighting, allowing the user to work in a distraction-free environment. When the desk is in use, the peripheral LED light is automatically turned off to ensure the user focuses on their work.

Adjustable, Smart & Tidy Installation

Whether it's mounting on desks or partitions, it does it all.

A smart T-Bar design on the back cover allows the IAdea Desk Booking Device to pivot and make horizontal and vertical adjustments during installation.



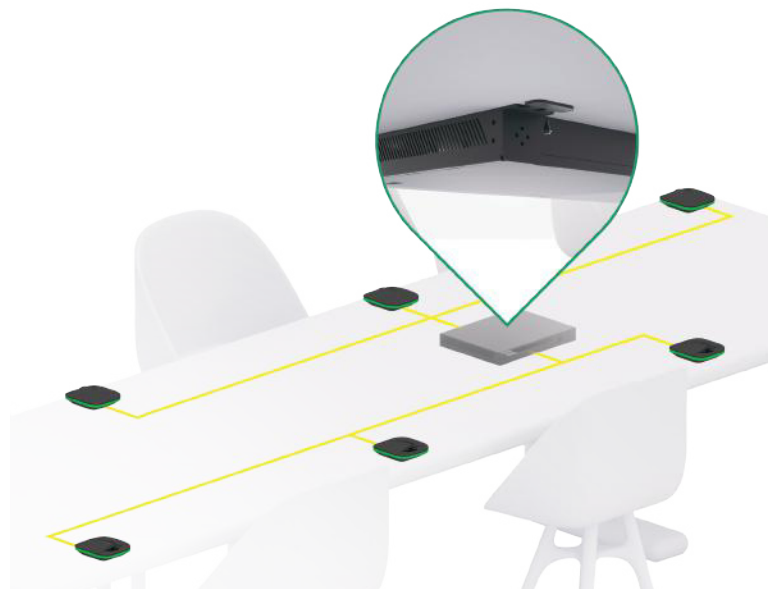
Partition surface

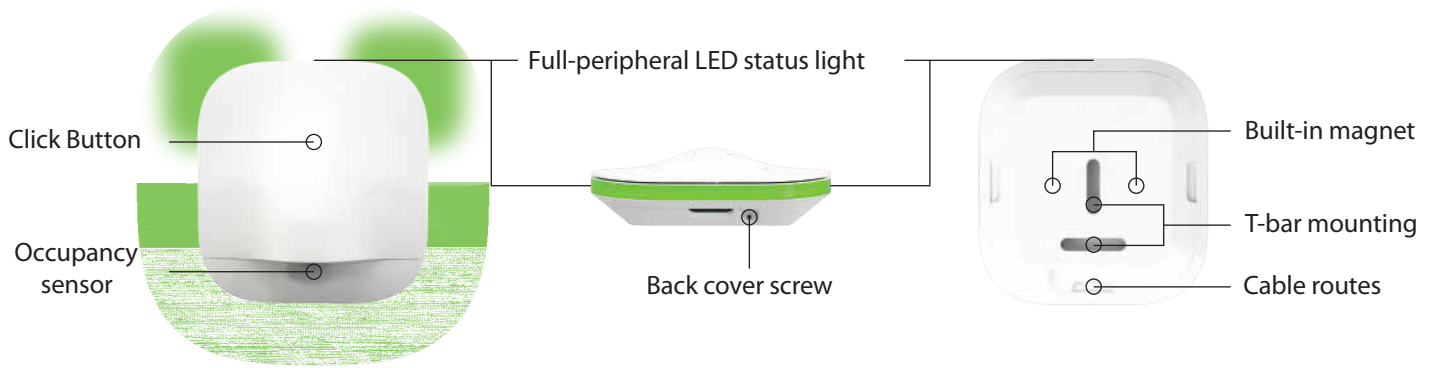
Table surface

Under table

Gateway to a Scalable Desk Booking System

IAdea Desk Booking Gateway (WDG-001) is the brain behind the whole desk booking system. PoE+ powers WDG-001 to control up to six Desk Booking Devices (WDB-001) by simple USB connection which enables the flexibility of installation and decrease the Total Cost of Ownership (TCO).





Technical Specifications

Gateway Controller

WDG-001

- Processor: Quad-Core Cortex-A17
- System memory: 2 GB
- Flash memory: 16 GB eMMC built-in

Integration API

- JavaScript-based event handler run on gateway
- Independent Web Worker threads each controlling a desk device
- Connecting with custom servers via XMLHttpRequest or Fetch Web APIs
- HTTPS and CORS for communication security
- Browser-based emulator for fast prototyping and development

Connectivity (I/O)

WDG-001

- Ethernet port for POE+
- USB 2.0 x 6 for WDB-001 connection
- Internal reset button, HDMI and ADB port for development use

WDB-001

- Clickable surface for fast check-in
- Micro USB for data transmission and power
- Reset button
- 13.56 MHz NFC high-frequency (-A, -H model)
- 125 KHz RFID low-frequency (-H model)

LED lights

WDB-001

- 7 colors + 3 brightness level for adjustment
- On/off/strobing/flashing modes

PIR sensor

WDB-001

- Passive infra-red (PIR) occupancy sensor
- Detecting moving, heat emitting objects, such as a person using the desk
- Designed for occupancy detection when mounted on-partition, on-desk, and under-desk
- Programmable event detection cycle time

Mounting Options

WDG-001

- Table mount (under)

WDB-001

- Partition mount
- Table mount (on-surface & under)

Supplied Accessories

WDG-001

- Mounting brackets
- Mounting screws

WDB-001

- Micro USB cables (2 meters) x 1
- Mounting screws

Power Requirements

WDG-001

- IEEE 802.3at Power-over-Ethernet (PoE+)
- Single wire installation

WDB-001

- Powered by Micro USB port

Environmental

- Operation temperature: 0 to 40 °C
- Humidity: 10 to 85 % @ 40 °C non-condensing

Dimensions for Product & Package

WDG-001

- Product dimension: 290 x 230 x 41 mm
- Product weight: 2.4 kg
- Individual package dimension: 370 x 340 x 83 mm
- Individual package weight: 2.7 kg
- Outer carton size: 390 x 360 x 186 mm
- Units per outer carton: 2 units

WDB-001

- Product dimension: 96 x 90 x 16 mm (max width: 28.5 mm)
- Product weight: 105 g
- Individual package dimension: 143 x 126 x 47 mm
- Individual package weight: 230 g
- Outer carton size: 280 x 265 x 180 mm
- Units per outer carton: 10 units

Certifications

- CE / FCC / RoHS

Warranty

- 1-year limited parts & labor (varies based on region. Contact sales for more details)

Supported Card Standard

| | ISO14443A | ISO14443B | ISO15693 | Mifare Classic | Mifare Classic 4K | MIFARE Ultralight | MIFARE DESFire EV1 | Sony FeliCa | EM4100 | EM4200 | HID formats* |
|-----------|-----------|-----------|----------|----------------|-------------------|-------------------|--------------------|-------------|--------|--------|--------------|
| WDB-001-A | V | V | V | V | V | V | V | V | | | |
| WDB-001-H | V | V | V | V | V | V | V | V | V | V | V |

*Supported HID formats: HID iClass, HID iClass SE, HID iClass SR, HID iClass Seos, HID 202x/203X iCLASS PROX, HID 1431 Mifare Prox, HID 1326 PROXCARD II, HID 1336 DuoProx II, HID 1597 Smart ISOProx II, HID 1598 Smart DuoProx II, HID 1391 MicroProx tag, HID 1346 ProxKey III



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