



YAROOMS X IADEA Desk Booking Solutions

Desk Booking Device with Occupancy Sensor and NFC/HID Reader powered by YAROOMS Desk Booking Software

Implementing hot-desking or hoteling in your workplace has never been easier.



Clean Installation

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



Built-In ID Reader

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



Built-In Occupancy Sensor

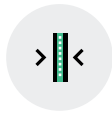
Auto-detect and notify about desk-ghosting and desk-camping

YAROOMS



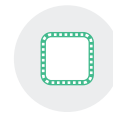
Power in simplicity

A single desk reservation module can accommodate all the different scenarios for how your spaces can be booked



Capacity reinforcement

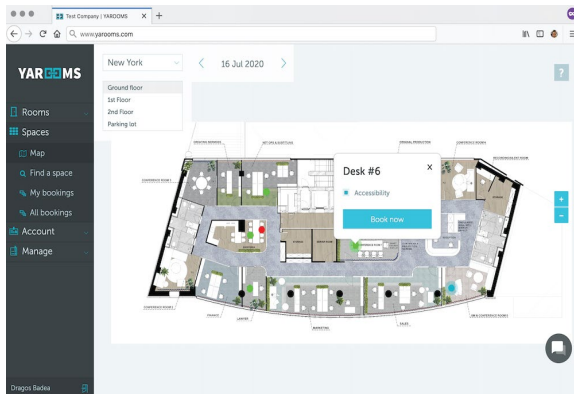
Rules can be placed at the building or floor level and even on areas of the floor, to make sure the social distancing guidelines are met.



Flexible reservations

Configure how your employees or tenants can reserve the space: Full day, Predefined intervals or Custom times.

With YAROOMS & IAdea Desk Booking Solution, there is only one season in open workplaces: Hot



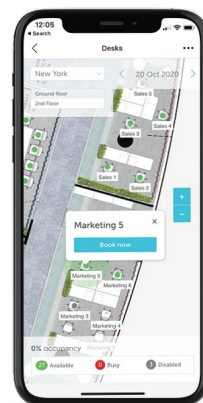
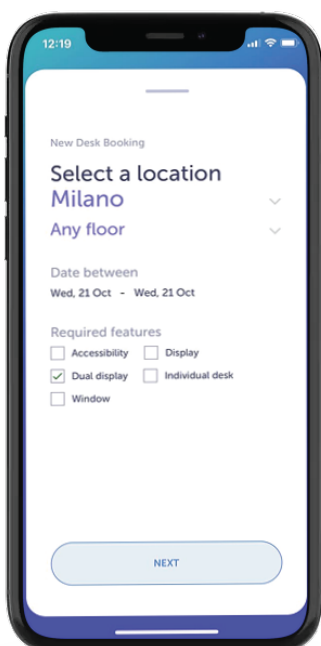
Facilitating a Frictionless Workplace

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.

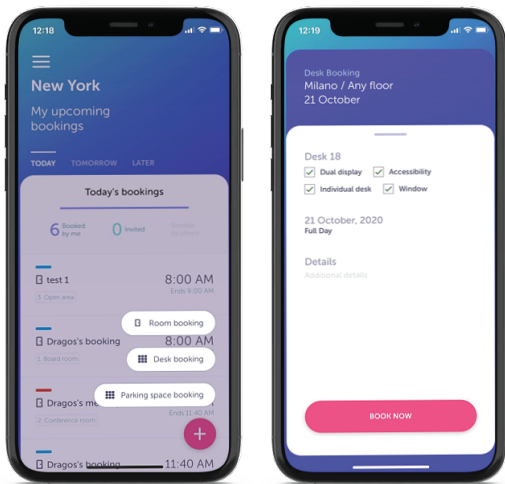
Easy Check-Ins and -Outs with Personal ID or Smartphone

Our Desk Booking solutions make it even more convenient for users to directly book a desk in-person, by simply scanning their workplace-issued ID. Using YAROOMS software allows you to also check in and out directly from the comfort of your phone.



Desk Features

The user can choose not only the building, floor, number of desired seats and date(s), but also set feature requirements. Configurable desk properties, such as "dual monitors" or "window seat" can be used to search for the workstation best matching your activities.



Reservation Workflow

YAROOMS uses its proprietary booking engine to find the desk that is most suited for the employee or tenant:

1. Define criteria

The user chooses the building, the floor, the number of desired seats, date(s) and feature requirements.

2. The best matches are returned and selected

A preview of the reservation is shown to the user where amends can be made, like adding additional dates or notes.

3. The reservation is completed

And the user receives a reservation confirmation with details including desks and dates.

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 IDea Desk Booking Device to pivot and make horizontal and vertical adjustments during installation.



Partition surface



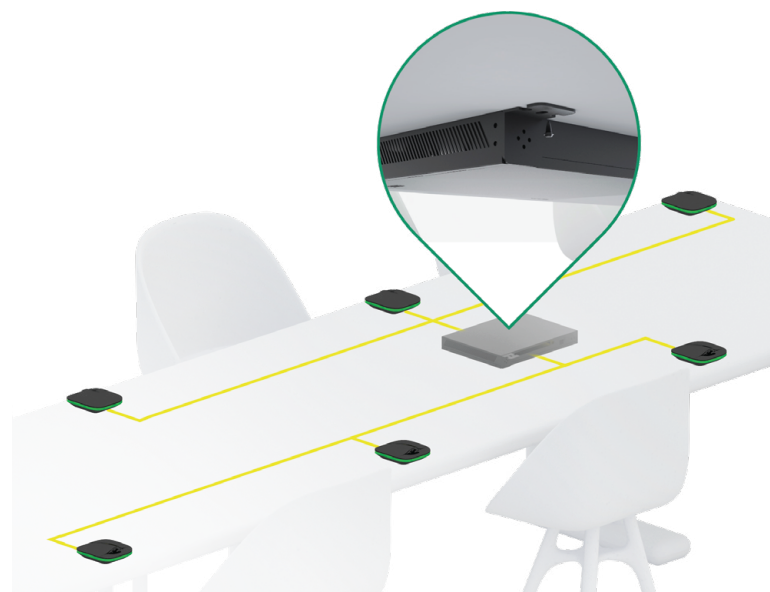
Table surface

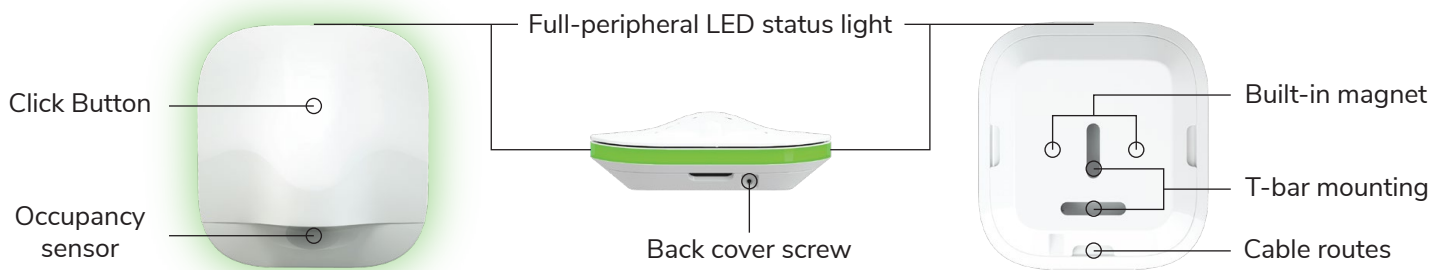


Under table

Gateway to a Scalable Desk Booking System

IDea 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	✓	✓	✓	✓	✓	✓	✓	✓			
WDB-001-H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

*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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