

## CASE STUDY

### RESOURCEXPRESS: DESK AND MEETING ROOM BOOKING



#### A FLEXIBLE, SCALABLE AUTHENTICATION SOLUTION FOR OFFICE RESOURCES

ResourceXPress, from QED Advanced Systems, is a booking system for desks and meeting rooms to help companies manage office resources efficiently. The software is complemented by point-of-use authentication devices for desks, meeting rooms and huddle spaces. QED came to ELATEC to implement an RFID solution for a client that would work with multiple RFID technologies across Europe and the Americas.

resource  
Xpress

qubi3

#### REQUIREMENTS

QED needed an RFID reader that:

- + Supports multiple RFID frequencies across different standards
- + Has appropriate certifications to enable global sales and implementation
- + Can be easily integrated into screens and devices
- + Supports remote upgrades

#### BENEFITS

- + Fast and easy point-of-use authentication
- + Contactless and hygienic
- + Leverages users' existing ID badges

#### PRODUCT: TWN4 MULTITECH 3

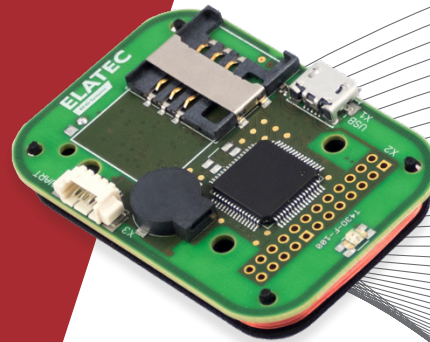
- + Compact and adaptable
- + Reads 60+ transponder technologies plus BLE and NFC
- + Certified for use in numerous countries globally

## TWN4 MULTITECH 3 MODULE

ELATEC recommended the TWN4 MultiTech 3 Module, a compact and powerful RFID reader/writer with flexible architecture and open API that can accommodate 60+ card technologies.

**For more information:**

[www.elatec.com](http://www.elatec.com)



## SITUATION

A large US-based corporation required an authenticated workspace booking solution to manage and optimize the use of 2400 desks and 200 meeting rooms in the US with additional meeting rooms in European offices. Two different types of building access RFID cards were needed to authenticate processes within the third-party booking system. ResourceXpress deployed the Aura range of meeting room screens and Qubi-3 desk devices for point-of-use booking and check-in.

QED's ResourceXPress software connects the point-of-use hardware devices to a leading third-party advance booking system via an on-premise application server. Users can pre-book meeting rooms online or walk up to an Aura screen to book the room instantly. The Qubi-3 devices indicate which desks are free with a green light and support point-of-use booking and check-in. The software tracks check-ins and check-outs and automatically frees up unused resources for others.

QED wanted to offer a touchless user authentication option for the screens and desk devices that would leverage the RFID badges employees already use for building access. The ability to offer contactless check-ins became even more important during the COVID-19 pandemic. The ResourceXPress software system also allows administrators to program a safety perimeter around desks in use to support social distancing.

## CHALLENGE

Because their client had multiple card technologies in use across its American and European offices, QED needed an RFID card reader that would support both HID Prox (LF) and HID SEOS (HF) card types. The reader had to be able to parse card codes depending on the format to match the customers' existing user database records. The client also required the ability to easily manage a large number of widely distributed devices. The readers needed to support remote configuration so firmware updates and patches could be deployed from a central management system.



## SOLUTION

ELATEC recommended the TWN4 MultiTech 3, a powerful and versatile RFID reader that supports 60+ card technologies worldwide. It is also very compact and easy to integrate into a range of devices. The TWN4 MultiTech 3 fit easily into both the Aura meeting room screens and the Qubi-3 desk booking devices. It also supported both the LF and HF card technologies in use by their client across their US and European offices.

This flexibility enables QED to deploy a single part number solution across all of the devices in use by their client, simplifying both inventory and management. The readers integrate with the ResourceXPress software and booking management system, allowing users to be quickly authenticated for instant booking or rapid check-in or check-out. ELATEC's remote upgrade option makes it easy for the client to update firmware to support new technologies (such as smartphone-based mobile authentication), security requirements or functionality as their needs change.

Now, employees can check into a meeting room or instantly book a desk or meeting space using the ID cards they already carry for building access. Touchless authentication is fast and hygienic; instead of entering a pin or passcode on a shared screen or device, users can simply wave their badge. With the ELATEC TWN4 MultiTech 3, it's easier than ever for employees to access the resources they need.



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