Access Management Simplified with Mobile Devices
Access Management Simplified with Mobile Devices

November 2017, By Travis Willis

The Mobile Solution

Access management does not have to be a challenge. Today’s business environment has present within it a hugely underutilized set of tools, but that is about to change. Mobile devices are everywhere, in your hand, once again on your wrist and always within reach. The impact of the Apple iPhone and Android devices is still to be quantified but they continue to evolve and spread at exponential rates around the world. Samsung and Apple have sold 500 million Smart Phones between them by 2014 and IDC predicts that there will be 155 million smart wearables in use by 2019. These devices are always on and always ready to use.

Today’s devices are far more than phones, they are super computers in our pockets. They run software applications, handle communications across a variety of platforms, capture and share data, enable purchases, aid navigation and enhance user’s experiences in a wide variety of environments. Most importantly, businesses do not always have to provide them to their staff or clients. Currently when a business wants to deploy access control or access management they must invest heavily in additional IT infrastructure along with the tools and equipment to deploy and manage a card system. This specialized equipment requires separate training and maintenance by staff that adds burden to already busy departments. Cards get lost, frequently requiring extra steps and redundant actions to be taken by these already busy departments. Most importantly cards get “shared” readily, defeating their main goal of guaranteeing correct user identification and verification by the system. When was the last time you gave your phone to someone else for a while?

The solution is “bring your own device” (BYOD) and right now, probably within a few inches of your hand is a device. Our pdqSMART solution works with both the Apple iOS and the Android iOS. This means that there is a very high probability everyone in your organization can be a pdqSMART user today. By leveraging the mobile-first world, you can unleash the potential to solve your organizations access management issues quickly and cost effectively. From doors to vehicle gates, openings of every size and shape can be migrated to pdqSMART control and operated via a mobile device with pdqSMART technology.

Deployment and Security

Our Mobile Credentials can be managed either through our pdqSMART app or our Cloud based Portal. End users are sent invites through e-mail or SMS messages. By managing Mobile Credentials instead of physical cards, your staff are no longer tied down to a work station, camera set-ups and card printers, they can be anywhere doing a variety of things instead of waiting to create cards and badges. You have multiple sites? No problem. You have frequent visitors? No problem. You can disable and delete users
right from your Mobile phone or tablet as an administrator. User activity is reported directly to an Administrators device and the Cloud Portal in the form of Event Logs.

What about security? Smart phones and devices running pdqSMART technology are significantly more secure than the legacy pin pads, magnetic stripe and 124kHz Proximity card systems. Pins are readily shared; in fact, you may even see them written down near the Pin pads! Mag stripe cards and low frequency proximity cards are vulnerable to cloning (record and replay) attacks. The tools to do this can be purchased from Amazon by anyone. Our digital credentials or Mobile IDs are securely stored and protected in the same secure sectors used by iOS and Android for banking transactions. Communications between your Mobile devices, pdqSMART enabled locks and readers and the Cloud Portal are all AES 128 bit encrypted, the same standard used by the NSA. We also support two-factor authentication by providing the option to add unique Pin codes to verify a user’s identity. If a user has his fingerprint verification utilized on his mobile device, he has effectively added biometric capabilities as well, providing a third factor of authentication. Mobile phones are rarely shared or lost in a business environment and even less frequently forgotten.

Mobile devices are changing the way we interact with our world. Why shouldn’t they enhance our working environment as well? Contact us today to find out how pdqSMART can help your business

sales@pdqsmart.com