

Lifestyle Bundle: Gadget Security

Training for everyday living you can implement with ease.

Data Security Risks of Using Internet-Connected Devices and QR Codes

The integration of internet-connected devices and QR codes into everyday operations introduces several data security risks.

Internet-connected devices, often part of the Internet of Things (IoT), are susceptible to various threats due to their constant connectivity and often limited security measures. These devices can be targeted for unauthorized access, data breaches, and malware infections.

Weak passwords, unpatched vulnerabilities, and lack of encryption are common issues that can lead to compromised networks and data theft. Once an attacker gains access to a device, they can exploit it to infiltrate other parts of the network, leading to broader security breaches.

QR codes, though convenient for quick information access, also present significant security risks. Malicious QR codes can redirect users to phishing sites, prompting them to enter sensitive information like login credentials or financial details.

These codes can also trigger unintended actions on a user's device, such as downloading malware. The ease with which QR codes can be created and distributed makes it challenging to ensure their authenticity, increasing the likelihood of encountering a malicious code.

To mitigate these risks, organizations should implement robust security protocols, such as regularly updating device software, employing strong passwords, and educating users about the potential dangers of scanning unknown QR codes. By enhancing security measures and promoting awareness, the risks associated with internet-connected devices and QR codes can be significantly reduced.

Build Your Own Gadget Security Bundle

The modules below address a wide range of issues associated with wifi-connected gadgets and QR codes. Available in the Content Center now, just search them by number to make them part of your overall training curriculum.

Internet of Things A103A-4

A closer look at the risks of using internet-connected devices.

A dark blue rectangular graphic with a faint grid pattern. The text "INTERNET OF THINGS" is centered in a bright green, sans-serif font.


QR Code Safety A103A-24

Explores risks of using QR codes and how to spot and avoid them.

A green rectangular graphic with a white QR code on the left. To the right of the QR code, the text "QR CODE SAFETY" is written in white, bold, sans-serif font, stacked vertically.

Advanced QR Code Safety A103A-25

Reviews advanced risks and mitigation factors for QR code security.

A blue rectangular graphic. On the left, the text "ADVANCED QR" is in white, bold, sans-serif font. To its right, the text "CODE SAFETY" is in white, bold, sans-serif font, stacked vertically.