



# Securing Educational Technology

## Digi's Guide to a Safe Learning Environment

Today's educational institutions are faced with a variety of security challenges that pose risks to networks, devices, and sensitive data. These threats encompass cyberattacks, data breaches, and vulnerabilities within the infrastructure.

As technology continues to be more tightly integrated into the curriculum, and as devices proliferate and move around, it is important to maintain a safe and efficient learning environment by ensuring the security and integrity of these devices.

**Here are three essential strategies for securing educational technology:**

### 1 Network Security

Establish a strong network infrastructure utilizing firewalls, advanced Wi-Fi protocols, and Virtual Private Networks (VPNs). Regular monitoring and threat detection mechanisms must be in place to promptly address potential risks. It is crucial to invest in enterprise-grade firewalls and conduct regular vulnerability assessments for proactive risk mitigation.

### 2 Device Security

Implement stringent access controls, robust authentication mechanisms, and regular updates for devices used in the learning process. Utilize devices with embedded security features like [Digi Trustfence](#) to significantly reduce vulnerabilities.

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### 3 Data Protection

Employ encryption protocols to safeguard sensitive data. Regularly backup data and implement secure storage practices to prevent unauthorized access or data loss. Encryption should cover both data in transit and data at rest to maintain confidentiality even in the event of a compromised device or server.

#### Where Digi Fits

Digi offers comprehensive solutions tailored to the unique security needs of educational technology, encompassing network security, device management, and data protection.

Securing educational technology is an ongoing process. Continuous vigilance, proactive measures, and collaboration among stakeholders are vital to mitigate evolving cybersecurity threats.



#### [Digi Connect<sup>®</sup> IT](#)

The out-of-band management solution that gives central control of access servers.



#### [Digi AnywhereUSB<sup>®</sup> Plus](#)

Secure network management designed to access and monitor USB and serial devices over TCP/IP connections.



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