

Networking to Meet the Challenges of BYOD



Extreme®
Connect Beyond the Network



Wired Networks

Wireless Networks

Control Center for K-12

BYOD

BYOD programs continue to grow in K-12. These programs not only bring another level of instructional innovation to classrooms, but they have the added benefit of teaching children responsibility and digital citizenship, enabling greater organizational skills and minimizing the learning curve of new hardware for students. Schools benefit because there is no large investment in hardware for each student.

Challenges

- Security becomes more of a challenge with devices that are not completely under the school district's control. How do you know if malware protection and software updates are maintained?
- Success of a BYOD program is dependent on the wired and wireless infrastructure that the thousands of devices connect to. In BYOD, users may utilize more than one device.



ExtremeWireless offers unparalleled, high density Wi-Fi access. Many devices today only come with a wireless interface, a major consideration for BYOD. ExtremeWireless delivers a better experience, stronger relationship, and accelerates learning outcomes. Students, teachers, and administrators expect wireless internet to be simple, fast, and smart with every device they have on the school campus. Our wireless is simple because it delivers new applications and services with one click and is managed effortlessly with an intuitive dashboard. With our fast wireless connection, troubleshooting is faster and connections can be established while roaming. Our wireless is BYOD smart because it can grant access to network resources based on user identity, the identity of the machine, and a security assessment of the machine's current configuration.



ExtremeSwitching makes the wireless solution the incredible platform that it is. At the core of every adaptable network is a flexible, secure, and efficient switching platform. ExtremeSwitching provides the high speed and control needed to manage the variety of devices in a BYOD program.

Extreme Networks Control Center for K-12 centralizes and simplifies the definition, management, and enforcement of policies such as guest access or personal devices. Essential for BYOD, it allows administrators single pane of glass visibility and control of networks core to WAP right from the data center. It uses intelligence, automation, and integration to optimize the efficiency of network operations and reduce TCO. Also, it keeps everything in view and under control through role-based access controls. It includes NAC management and integrates with Extreme IPS. Control Center for K-12 was created to capture real-time data, reveal possible network attackers, and locate the offending devices on your campus, removing many of the security risks associated with BYOD.

Extreme Networks is:

Extreme Networks, Inc. (EXTR) delivers software-driven networking solutions that help IT departments everywhere deliver the ultimate business outcome: stronger connections with students, teachers, and employees. Wired to wireless, desktop to datacenter, they go to extreme measures for their 20,000-plus customers in more than 80 countries, delivering 100% insourced support to organizations large and small, including some of the world's leading names in business, education, government, healthcare, manufacturing and hospitality.

Why PBG Networks?

PBG Networks is an Enterprise Solutions, Infrastructure Services, and Applications Development company with a long history in providing solutions to K-12. We understand the challenges faced by school districts, both large and small. Our solutions-based approach avoids the pitfall of technology for technology's sake and focuses on achieving your educational objectives by meeting your current needs and helping you to plan for the future.

Implementing a BYOD program requires careful preparation, a Wi-Fi and wired network that will support thousands of devices, and solutions for management and security. Call PBG Networks to set up a free assessment .