

Building a Network to Support Successful PARCC Testing



Extreme®
Connect Beyond the Network



Wired & Wireless

Caching

Control Center for K-12

PARCC

Whether you agree with its use or not, PARCC testing has become a recurring event that puts stress on IT resources. All of the students need to be tested and results submitted in the testing window. Speed and stability of the network is critical. In addition, there are considerations of security and device lockdown requirements.

Challenges

- Wireless coverage must reach all concurrent test takers.
- Internet connectivity must meet minimum standards per 1000 students.
- Troubleshooting issues has to happen quickly.



ExtremeWireless offers unparalleled, high density Wi-Fi access. ExtremeWireless access points (WAPs) utilize advanced management techniques between neighboring WAPs to distribute the device load across multiple WAPs and across multiple channels within each WAP. Through Quality of Service (QoS) capabilities, ExtremeWireless delivers high performance for critical applications while supporting large numbers of devices. What this means for you is that ExtremeWireless will be able to maintain the high throughput you need through your wireless network during the peak usage of testing time.

ExtremeSwitching is a flexible, secure and efficient switching platform. The software-defined nature of ExtremeSwitching creates possibilities in control, automation, troubleshooting, and security other vendors can't match. It is the natural complement of the ExtremeWireless platform.

Extreme Networks Control Center for K-12 is key to resolving issues that arise during PARCC testing in a timely manner. Its OneView dashboard monitors and consolidates the status of all devices on the network, with the ability to drill down for more details. Search results of end systems are placed on an interactive topology map that includes network performance, NetFlow, and NAC data. Troubleshooting is quick and efficient when you can see all the data in a graphical, easy-to-absorb format. With Extreme Networks, you can throttle back areas of the school that are not actively involved in the testing; and in conjunction with a web filter, it's even possible to block off bandwidth-consuming web sites during testing.

Caching is the logical place to start to reduce PARCC headaches. A cache server shifts the heaviest loads from your Internet connection to your network where you can maintain control and predict performance. Current PARCC bandwidth requirements for Internet connection drop by 90% when a cache server is in place. PBG Networks can build you a cache server that will not only maximize testing ability but will also get the most out of your bandwidth year round.

Extreme Networks is:

Extreme Networks delivers software-driven networking solutions that help IT departments everywhere deliver the ultimate business outcome: stronger connections with customers, partners and employees. Wired to wireless, desktop to datacenter, we 'go to the extreme' for our 20,000-plus customers in more than 80 countries, delivering 100% insourced support to organizations large and small.

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.