

Scale Computing™ Industry Solution Brief: Education

Smart Infrastructure for Smarter Campuses

Educational institutions increasingly depend on technology across virtual learning, administrative systems, security, connectivity, and campus safety—yet managing a growing number of digital services and network endpoints across multiple locations, with constrained budgets and small IT teams, remains an ongoing challenge. The ***Scale Computing™*** edge infrastructure and networking portfolio addresses this by unifying compute, storage, networking, and security into a single, highly available, easy-to-manage IT foundation, enabling schools and universities to modernize confidently while reducing complexity and costs.

One Platform for Compute, Network, and Security

Educational IT teams must deliver high performance, reliability, and security across very different environments — classrooms, labs, libraries, dorms, and remote campuses — all connected by a network that has to just work. Scale Computing simplifies delivering and protecting critical educational services across these environments while reducing operational complexity for IT teams.

- Combines compute, storage, backup, and virtualization into a single platform
- Integrates SD-WAN, switching, and network security to connect and protect every site
- No specialized certifications or third-party hypervisors, firewalls, or network management tools required
- Supports everything from student information systems and LMS platforms to security applications, campus Wi-Fi, and administrative workloads
- Easy to deploy and centrally manage across school sites

Built for Lean IT Teams

Schools and colleges often operate with lean IT teams and limited budgets. Scale Computing reduces the need for highly specialized infrastructure and networking staff or vendor support, freeing up time and resources for strategic projects. Automation simplifies both the compute and network layers, making the whole environment far easier to deploy and manage. With remote monitoring and NOC-level support, problems can be caught and resolved before they ever reach a classroom.

- Single, centralized interface to manage compute, storage, and network across all locations
- 24/7 remote monitoring and NOC support extend the reach of a small IT team
- No need for external consultants or complex licensing models
- Built-in automation and self-healing technology save staff time

Always-On Learning, On- and Off-Campus

Downtime doesn't just delay work; it disrupts learning—a failed server during state testing, a downed LMS during finals, a dropped connection to a satellite campus, or inaccessible student records can halt instruction and operations. With students, faculty, and staff relying on digital systems around the clock, both infrastructure and network must deliver consistent, uninterrupted access. Scale Computing is engineered for this reliability end to end: built-in high availability and disaster recovery, plus resilient, self-healing connectivity linking every site, keep essential services online even when hardware fails, a link drops, or updates are needed—no add-on software, complex clustering, or weekend maintenance windows required. It just works, so teaching and learning never stop.

- Automated failover and replication ensure continuity of key services
- Resilient network architecture keeps remote and satellite locations connected
- Scheduled updates and maintenance can be performed with no disruption to learning

Secure Across Every Connection

Educational institutions handle sensitive data, includng student records, financial aid information, and personal details, that travels across networks connecting classrooms, offices, and remote sites. By reducing reliance on third-party software, limiting attack surfaces, and enforcing strict access controls across every connection, Scale Computing helps institutions of all sizes protect their data, systems, and communities.

- Hardened OS and embedded hypervisor reduce vulnerabilities
- Network-level security and segmentation protect traffic between sites and devices
- Role-based access controls and encrypted replication protect data privacy
- No reliance on third-party software or VPNs minimizes your attack surface

Scalable for Districts and Campuses Alike

Educational institutions must continually adapt to changing enrollment, technology, and learning needs—new schools, 1:1 device rollouts, research centers, satellite campuses, hybrid learning—without costly overhauls or disruption. Scale Computing grows with your institution on your terms, at your pace, whether you're adding storage, connecting a new building, or supporting hundreds of new users, with no complex reconfiguration, re-licensing, or overprovisioning required..

- Add capacity, sites, or network connections without downtime or forklift upgrades
- Mix and match hardware to support a range of performance and budget needs
- Easily extend infrastructure and connectivity to new schools, labs, or dormitories as your institution grows

Support for Every Connected Campus Application

Educational institutions run on more than just lesson plans. Behind every class, department, and campus service is a network of interconnected applications and devices that keep operations running — from student enrollment to classroom instruction to campus safety. These systems must be fast, reliable, well-connected, and easy to manage, even across multiple locations.

Scale Computing provides a flexible, high-performance foundation for the full range of academic and administrative applications used in K–12 and higher education. As education integrates more AI-powered tools, many critical and sensitive applications benefit from local processing for performance, availability, and greater control over institutional data.

Built for Budget-Conscious IT

Whether funded by state grants, federal programs, or tuition, education IT budgets require predictability and value. Scale Computing helps institutions stay within budget without compromising performance, availability, or connectivity.

Schedule a Demo today!

"Scale Computing is perfect specifically for education as it addresses all of our needs in tools, disaster recovery, reliability, and cost." **— Mark Simmons, Director of Technology, Sabine Pass Independent School District**

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