

Connected learning starts here

Networking for education



THE STATE OF NETWORKING FOR EDUCATION

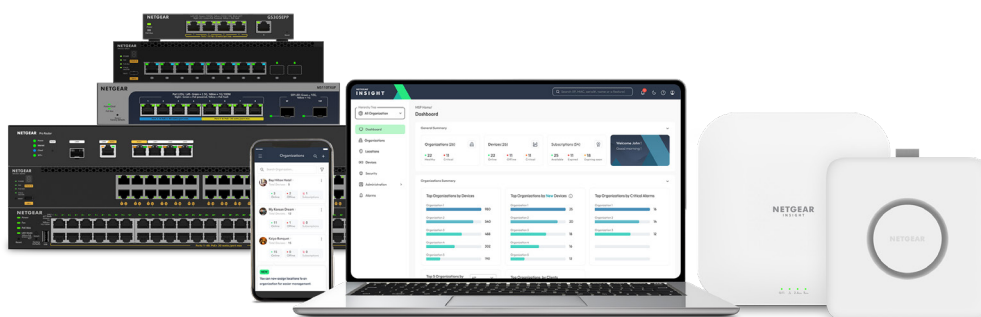
Every classroom is now a connected classroom

Learning is now more connected than ever. Student and faculty devices, cloud applications, digital assessments, cameras, displays, and building IoT all compete for connectivity, often at the same time.

Behind it all, a small IT team may be responsible for thousands of users across multiple schools, buildings, and campuses. They need the performance and security of

an enterprise network without the complexity, specialist resources, and escalating costs that can come with it.

NETGEAR Enterprise gives education institutions a smarter way forward, combining powerful infrastructure with intuitive cloud management and flexible deployment options that make networks easier to run, protect, and grow.



Four pressures shaping campus networks



Rising device density

One-to-one programs and connected classrooms have made high-density WiFi essential, while legacy 1 Gbps switching can limit the performance of the latest access points



Lean teams, wide estates

Small teams need to manage more users, devices, and locations without adding unnecessary complexity or making routine network changes a specialist task



Growing security demands

Education is among the most heavily attacked sectors and student, faculty, and institutional data are the prize. Segmentation is the defense, and VLAN work is precisely where a stretched team runs out of hours.



The cost and complexity trap

Money committed to licensing renewals and specialist labor is money that never reaches teaching, learning, or campus priorities, and that bill returns every year

MANAGE

Run every campus from one dashboard

When a small IT team is responsible for multiple schools or campuses, every network issue can mean lost time, another support ticket, or a trip in the car. Centralized visibility and remote management help teams stay ahead of problems and keep every location running without being everywhere at once.

NETGEAR Insight brings switches, access points, routers, security gateways, and mobile hotspots into one cloud-managed platform. Live topology, proactive alerts, and AI-assisted troubleshooting help teams identify and resolve issues faster, while Insight 10.0 brings network and security telemetry into a more unified operational view.

Zero-Touch Provisioning also simplifies deployment, allowing equipment to be configured before it reaches the school. Teams can replicate configurations, schedule firmware updates, and manage sites remotely as the organization grows.

With NETGEAR Insight, IT teams can:

- Manage WiFi, switching, routing, and security across multiple sites
- Deploy equipment remotely with Zero-Touch Provisioning
- Identify and resolve issues faster with proactive alerts and troubleshooting
- Automate firmware updates and routine network management
- Extend multi-site and multi-client management with Insight Pro

The outcome

Schools using Insight have reported up to a **95% reduction in daily WiFi support tickets**, helping IT teams spend less time reacting to network issues and more time supporting the technology that moves learning forward.



PERFORM

Connectivity that holds up on the busiest days

The network cannot slow down just because the school day gets busy. When hundreds of students, faculty, and staff connect at once, classrooms need consistent performance, applications need responsive connectivity, and critical services need to stay available.

NETGEAR WiFi 6 and WiFi 7 access points are designed for high-density environments, while multigigabit PoE switching provides the bandwidth and power needed to prevent legacy 1 Gbps infrastructure from limiting next-generation WiFi performance.

Insight VPN routers and secure gateways extend reliable connectivity across sites and help keep users, applications, and critical services connected.

Built to keep learning connected:

- WiFi 6 and WiFi 7 for high-density learning environments

- Multigigabit PoE switching that removes wired backhaul bottlenecks
- Line-rate switching without license gating on core capabilities
- Remote PoE management and port scheduling through Insight



CONNECT

Bring AV into the connected campus

Modern classrooms rely on more than WiFi. Displays, cameras, lecture capture, interactive learning, and other AV systems all need reliable, high-performance connectivity. AV-over-IP gives schools a flexible way to connect and manage these experiences across classrooms and campuses, without creating another network to manage.

NETGEAR AV switches provide the high-bandwidth, low-latency foundation needed to move audio and video reliably across the network. With purpose-built AV features and centralized management, schools can simplify deployment, support more connected learning experiences, and scale AV as their needs grow.

Built for connected learning:

- High-bandwidth switching for demanding AV-over-IP applications
- Low-latency performance for real-time audio and video
- Simplified deployment and management
- Scalable infrastructure for classrooms, auditoriums, and campus-wide AV
- A network foundation that supports both IT and AV needs





PROTECT

Protection that doesn't require a security team

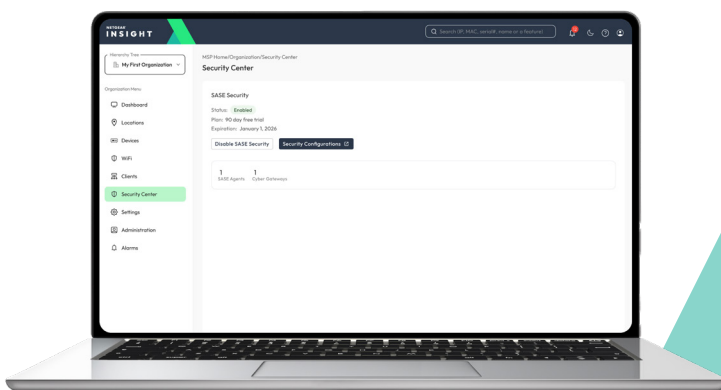
Schools need to protect sensitive data across an increasingly diverse mix of users, devices, and applications, often without a dedicated security team. Stronger segmentation and simpler security management help reduce risk without creating another layer of operational complexity.

NETGEAR Enterprise makes it easier to separate student, faculty, staff, administrative, and IoT traffic, helping contain threats and limit access to sensitive systems. WPA3 encryption, automated firmware management, and NETGEAR Exium add further protection, with zero-trust secure access, content filtering, and firewall capabilities delivered through the cloud.

PR60SG and PR30SG security gateways extend protection into the routing layer, while Security Center brings network and security visibility together for simpler day-to-day management.

Security designed for lean IT teams:

- Role-based segmentation across student, faculty, staff, administrative, and IoT traffic
- Zero-trust secure access with NETGEAR Exium
- Automated firmware management to reduce manual patching
- Integrated network and security visibility
- Infrastructure designed to support FERPA, GDPR, and applicable student data protection requirements



THE STACK

What a school deployment looks like

What you need	What you deploy	What Insight adds
High-density classroom WiFi	WiFi 6 and WiFi 7 access points	Centralized RF optimization, fast roaming, remote firmware
Multigigabit wired backhaul	Insight-managed smart cloud and Smart Pro PoE switches	Remote VLAN configuration, PoE scheduling, port monitoring
Secure site connectivity	Insight routers, PR60X and PR30SG security gateways	Centralized remote connection and WAN control across every campus
Zero-trust security	NETGEAR Exium SASE Pro	Security Center* unites network and security in one view
Continuity when the line drops	Dual-WAN failover with cellular backup	Failover status visible across every campus

*Coming soon

Support that starts before day one

Every deployment includes 90 days of 24/7 technical support, extendable to one, three, or five years. Pre-sales network design, NETGEAR Academy training, express replacement, and a certified partner network cover the ground between specification and go-live.

Start with one building and grow from there

Education organizations need the flexibility to modernize at their own pace. Start with one building, school, or campus, address the most pressing performance, management, or security needs, then expand across additional locations as priorities and budgets evolve. With stacking switches, mesh WiFi, and a modular portfolio, existing investments stay productive while new sites can inherit established configurations and policies, helping the network scale without a costly rip-and-replace.

Where to start

Modernization doesn't need to begin with a campus- or district-wide overhaul. A site assessment can pinpoint where switching capacity, WiFi density, segmentation, or backhaul performance is creating the biggest constraint, giving schools a clear place to focus investment first. From there, they can build a phased plan around their priorities, existing infrastructure, and available budget.

Talk to a NETGEAR Enterprise specialist or certified partner to arrange an assessment, request a proof of concept, or start a 30-day Insight trial.

[Learn more](#)

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