

Atom IT

Nebula Delivers High-speed WiFi for UK Schools, Hassle-free Management for MSP

Customer at a glance



Customer Name

Atom IT



Industry

Education



Location

United Kingdom



Customer Background

Atom IT traces its origins to 2013, when its directors were working together for a local authority. Discovering their shared vision and passion for delivering affordable, efficient, and no-fuss IT solutions and support, they set out to create a managed service company that put the customer at the heart of everything. The company has since flourished, growing quickly to become one of the largest ICT service providers and supporting over 100 schools and businesses across the East Midlands.

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Summary

With its strong presence in the education sector, Atom IT joined the Department for Education-funded Connect the Classroom project in October 2021. The project's goal is to improve wireless infrastructure in schools across the UK. To futureproof and modernize UK classrooms, the project required new WiFi 6 networks and any infrastructure required. Atom IT had to complete the network deployment across 50 sites. As an MSP managing these sites, it was critical to select reliable products supported by the easy-to-manage interface to efficiently manage and maintain the new installations.

"We needed something we could easily replicate as the rollout moved on," Jamie Fowler, Director of Atom IT said. "Having already got Nebula Cloud Networking Solution in place at other sites, we knew from experience it was the way we wanted to go. Thirty sites rolled out between October 2021 and February 2022 successfully and Nebula made things as smooth as they could be." Atom IT installed more than 500 WiFi 6 APs, over 50 10G core switches and nearly 200 multi-gigabit edge switches managed by Nebula. The Multi-Gigabit switches provide up to 10G connectivity on traditional copper cabling and are futureproof for agile network expansion. The cloud-managed WiFi 6 network gives Atom IT excellent coverage of the sites with comprehensive network management, all from a single pane of glass. Meanwhile, the seven-year Nebula Pro license is giving the customer peace of mind, guaranteeing smooth, worry-free operation for the long run.

Challenges

- Replace aging networks and patchy coverage across multiple schools
- Upgrade reactive networks to next-generation, high-speed ones to meet future needs

Benefits

- Quick network deployment along with effortless and efficient network management for both schools and the MSP
- Nebula facilitates comprehensive cloud networking management for WiFi 6 networks
- Excellent coverage, faster internet connection, and futureproof network

Products used

- XS3800-28 10G L3 Aggregation Switch
- XS1930-12HP Multi-Gigabit Smart Managed PoE Switch
- XGS1930-52HP Smart Managed PoE Switch with 10G Uplink
- WAX650S AX3600 WiFi 6 AP with Smart Antenna (Dual 4x4 + 4x4 MIMO)
- NWA210AX AX3000 WiFi 6 AP (Dual 4X4 + 2x2)