沖縄市
OKINAWA CITY

Okinawa City Board of Education

Providing reliable, centralized connectivity across 24 schools to support large-scale digital learning.

Okinawa City Board of Education supports approximately 15,000 students across 24 elementary and junior high schools. To advance its digital education initiative, the Board sought a modern network infrastructure capable of delivering reliable, high-performance connectivity across all schools. As digital learning adoption increased, the Board required a scalable wired and wireless network with centralized management, support for existing classroom technologies and the ability to operate reliably in challenging RF environments.

Challenges

Okinawa City Board of Education wanted to create a more reliable and consistent digital learning experience for approximately 15,000 students and 1,000 staff with approximately 16,000 devices across 24 schools. However, growing connectivity demands, increasing device usage and the need to manage multiple sites made it clear that a modern network infrastructure was required. The Board selected Alcatel-Lucent to provide a future-ready solution that could simplify operations, support existing classroom technologies and scale to meet evolving education needs.

"Our goal was to create a reliable, future-ready digital learning environment for every school. Alcatel-Lucent understood our needs and delivered a solution that provides consistent connectivity, simplifies management and supports the evolving needs of students and educators."

Ms. Yuko Shima, Deputy Chief Administrator, Educational Support Center, Instructional Department, Okinawa City Board of Education

Action

Working with business partner Rikei and implementation partner Prostaff, Alcatel-Lucent designed and deployed a future-ready network architecture across all 24 schools. Through a Proof of Concept, Alcatel-Lucent validated performance, application compatibility and wireless operation before deployment, enabling a smooth migration and reducing project risk while providing a scalable foundation for future digital learning initiatives.

Products and Services

Alcatel-Lucent OmniAccess® Stellar AP1521 (Wi-Fi 7)

Alcatel-Lucent OmniSwitch® 6900

Alcatel-Lucent OmniSwitch® 6860N

Alcatel-Lucent OmniSwitch® 6560

OmniVista® Network Management System

Alcatel·Lucent

Customer story

Company: Okinawa City Board of Education

Market: Education

Country: Japan

Number of users: 16,000+

Deal implemented: March 2026

Results

TECHNICAL BENEFITS

- Reliable connectivity across 24 schools
- Supports 16,000+ users and 16,000 devices
- Wi-Fi 7 readiness for high-density learning
- Stable performance in complex RF environments

FINANCIAL BENEFITS

- Lower operational costs
- Reduced management overhead
- Lower total cost of ownership

USER EXPERIENCE BENEFITS

- Faster access to learning applications
- Seamless Google Chromecast support
- More consistent classroom connectivity across the 24 schools

ABOUT THE CUSTOMER

Okinawa City Board of Education is responsible for the operation and development of 24 elementary and junior high schools serving approximately 15,000 students. As part of its commitment to digital transformation in education, the Board continues to invest in modern learning environments that enhance teaching, improve student experiences and support long-term educational outcomes.

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