



All college campuses feature Wi-Fi networks throughout their facilities. Wireless is mission-critical for instructional content, classroom programming, and overall lifestyle. The speed and integrity of the Wi-Fi network is a key selling point for many campuses when they are recruiting students.

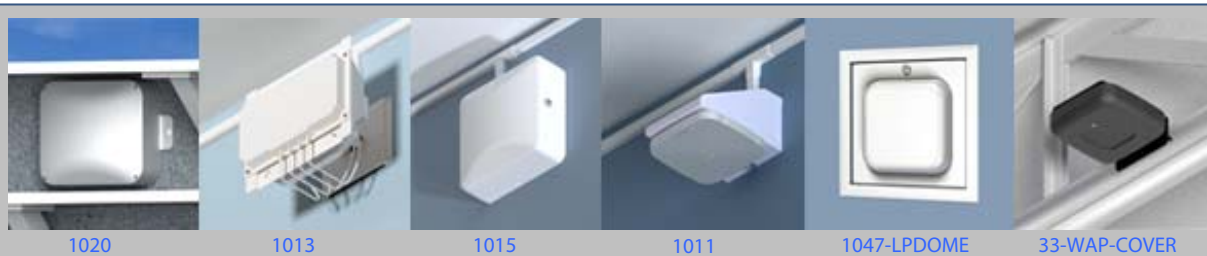
Campuses with many buildings of various ages and construction, and a mix of venues from large stadiums to individual residences, create unique challenges for wireless network designers. Typically, 100% wireless coverage and uptime is expected. Many of the building are essentially open to the public, so physically protecting WAPs is important.

### HIGH DENSITY WI-FI

Campuses will require High-Density Wi-Fi in stadiums, auditoriums, and larger classrooms where large numbers of users aggregate. A high-density design is comprised of a large number of WAPs to be installed, presenting the designer and installer with a challenge in placing and protecting WAPs. Oberon offers a number of solutions, including compact, non-metallic NEMA4 (waterproof) designs for installing WAPs beneath stadium and auditorium seats and numerous solutions for mounting WAPs and antennas on walls and pillars.

### RESIDENCE HALLS

Residence halls create a challenge to the wireless designer and installer, as they are typically block/brick wall and concrete construction. The wireless signal is greatly attenuated by this construction material, requiring careful placement of large numbers of WAPs to provide the necessary wireless coverage. The WAPs should also be protected from the rigors of residence hall activity. Oberon offers a number of solutions for this challenging environment, including non-metallic surface mount lock boxes and right angle wall brackets.



### HERITAGE BUILDINGS

Many campuses have older "heritage" buildings which require special consideration of an architectural and aesthetic nature. This can include museums, libraries, and administration buildings. Oberon offers a wide variety of products to help the WAP "blend in" to the environment, including recess wall mount enclosures and paintable vanity covers.

### A/V EQUIPMENT

Increasingly, campuses are using Apple TV® and other Internet Gateway products for enhanced multi-media capabilities in the classroom. These items should be secured along with projectors and A/V equipment. Oberon offers zone enclosures which are designed to secure Apple TV, projector, WAPs, and other A/V gear in the ceiling of the classroom where it is needed.

## BENEFITS

- Protect WAPs in high density Wi-Fi installations
- Physically secure WAPS in residence halls and public areas
- Aesthetic, professional installation in heritage buildings, museums, and libraries
- Protect Apple TV and other A/V equipment
- National Electric Code compliance
- NEMA4 enclosures protect WAPs in stadiums and outdoors

## FEATURES

- UL Listed, OSHPD approved
- Designed to satisfy N.E.C. for installation in plenum space
- 2' x 2' steel and aluminum ceiling tile enclosure drops into standard suspended ceiling
- Attractive, textured, white powder coat finish
- Non-metallic domes are virtually transparent to wireless signals
- Interchangeable locking doors simplify moves, adds, and changes to new access points or antennas
- Solutions for virtually all vendors' wireless access points, DAS antennas, and telemetry sensors

## CONTACT



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