Office Spaces

Simple, flexible and scalable wireless mesh controls

Office space still accounts for a significant portion of total commercial buildings in the U.S., second only to warehouse and storage space, with approximately 17% of total commercial space according to the latest CBECS study. With more than half of all commercial buildings being built between 1960-1999, there is substantial room for energy-efficiency upgrades to lighting and opportunities for adding smart wireless control platforms.

Designing and deploying effective control networks requires understanding both owner/operator and occupant needs. Simplicity of operation and adjustability is key for both groups while scalability and flexibility is essential for future needs as tenants change or space requirements evolve.

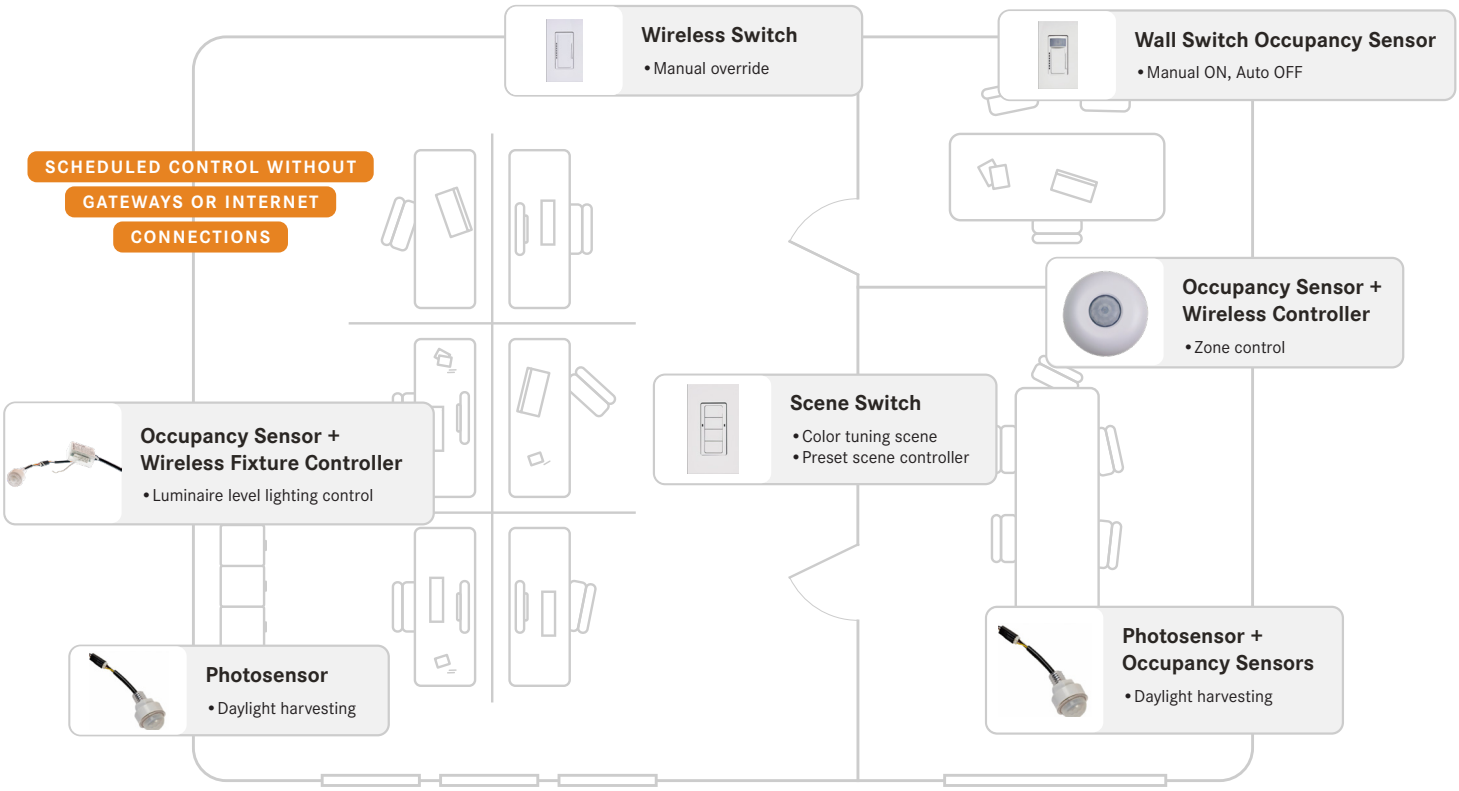
Range of Control Strategy Options
From scheduled control to occupancy- and daylight-responsive to color tuning, mwConnect's wireless mesh solutions bring simplicity and sophistication to today's office spaces and occupant needs

Scalable and Interoperable for Future Expansion
As tenants change and budgets evolve, owners/operators appreciate the ability to choose best-of-breed solutions as needed without being locked into a proprietary control system

App-Based Design & Control
User-friendly control from smartphone apps streamlines design, startup, and future network adjustments

Optional Remote Access & Control
An optional gateway offers remote access for owner management of property portfolios as well as detailed occupancy and energy monitoring capabilities, particularly valuable in multi-tenant facilities

Enhance Productivity along with Energy Performance



TYPICAL CONTROL PROFILES

Area	Scenario	Description
Open office areas	Occupancy sensors using LLLC approach	100% ON with occupancy detection, OFF with vacancy.
Open office areas with daylit perimeters	Occupancy sensor + photosensor	ON to 20% of lux level during daytime with OFF override upon vacancy. Increase to 80-100% with dusk
Small private office	Wall switch occupancy sensor	50% ON with occupancy detection, manual ON to 100% if desired; OFF with vacancy
Executive private office or conference room	Occupancy sensors + color tuning controllers	50% ON with occupancy detection, manual ON to 100% if desired; Pre-set control scenarios from wall controller

READ CASE STUDY

Award-Winning Office Tower Project Demonstrates Flexibility and Scalability of Wireless Mesh Technology

With 17 stories and nearly a half million square feet of commercial real estate space, scope and scale of the project was substantial: identify ways to optimize lighting throughout multiple tenant spaces, accelerate energy performance, provide a flexible control solution that could be easily changed as use cases shift, and future-proof the entire facility for emerging IoT possibilities.