



Starting a new school is no easy task. When the founders of Lead Academy, a new charter school in Montgomery, Alabama, set out to establish a high level educational institute, they trusted Comtex to connect & keep the school technologically secure.

The founders chose a campus that included two buildings to be renovated and completed in two phases. Comtex began by establishing a structured cabling system as the foundation for their technology & security products. This included a main wiring closet and a second wiring closet that was connected via fiber.

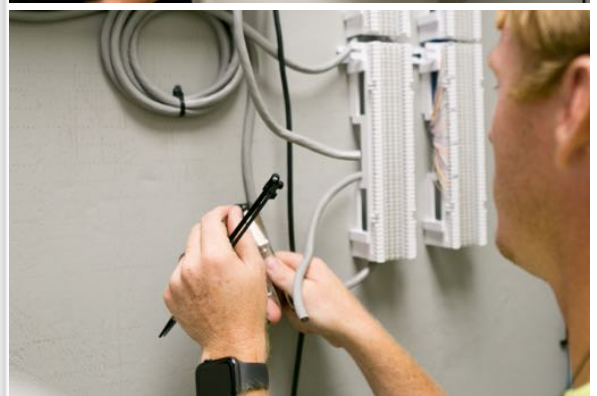
Once the wiring was in place, Comtex began working to secure the building with **Access Control** from **Prodatakey**. Key cards & apps were provided to students & teachers. By utilizing cutting edge technology, administrators are able to manage and grant access to the building from anywhere in the world!



Once the building was secured, the school required a campus monitoring solution. **DW Spectrum** provided the flexibility to add and grow into the next phase & even farther. Cameras were installed and apps provided in order to easily monitor the cameras via mobile device. **DW Spectrum** was integrated with **Prodatakey** to allow the ability to unlock the doors directly from the **DW Spectrum** app.



At this point in the process, the focus turned to creating a solution for internal school communications. To accomplish this, Valcom intercom system was chosen. Each classroom received a speaker and call button to reach the main office. Speakers were installed in the corridors to allow campus announcements to be heard from anywhere. Comtex went a step further and integrated the intercom system with the secured door phones, allowing a visitor to buzz into the office, and the staff to easily provide entry by using the **DW Spectrum** application to unlock the door.



Phase 1 was completed in 2019, and Phase 2 began in July of 2020. The 2nd phase moved quickly to be completed for the students arrival in August. The same systems were installed in the second building and an underground conduit was placed to connect the two building. Once placed, a fiber was pulled through and landed in the main wiring closet. The fiber was terminated and lit up to establish a fast connection between the buildings. At this point, Comtex began merging the two systems, creating one simplified system for the entire campus.

In total, the campus is connected with 6 doors controlled by Prodatakey, 64 cameras connected to DW Spectrum with two servers for failover, 35 classroom speakers and 51 hallway speakers.

School safety starts with secure doors, clear communications, and an easy monitoring system of the campus for administrators and local authorities. Comtex delivered these 3 key factors to provide comprehensive solutions that are easy to use and maintain for years to come.



**35
Classroom
Speakers**



64 Cameras



**51 Hallway
Speakers**

