

# Computer Network Server



## Project Profile

### Computer Network Server Saginaw Public Schools Saginaw, Michigan

Architect / Engineer: William A. Kibbe & Associates, Inc.

Equipment: Cisco Systems

Project Type: Institutional / Technology

### Project Information

Completion Date: 2001

Cost: \$ 230,000

William A. Kibbe & Associates provided design services for this WAN-LAN high speed communication system. At the center of the system is a “server farm” that acts as a “hub” for the entire school district’s voice and data communications.

The system serves over 14,000 students and staff, using duplexed Gigabit Ethernet as the backbone Wide Area Network with 100 Mb switched Ethernet to each desktop. The design incorporates advanced QOS to permit the future addition of IP Telephony and automated data collection systems for 41 buildings containing 1,100 classrooms and 300 offices.

Key points of the design include the latest Cat-5e and fiber-optic technology, voice and video transmission capabilities. This system, as reported by Cisco equipment Systems, is the largest high-speed data switching system of its kind in the State.



**William A. Kibbe & Associates, Inc.**  
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