

# Central Lakes College

## IP-enabling Existing PBX Equipment

Although Voice over IP has been in existence for many years, it has only recently begun to take off as a viable alternative to traditional telephone networks. With Multi-Tech's approach to Voice over IP, businesses are able to cost-effectively migrate to the new technology while preserving their existing infrastructure investment.

Central Lakes College, a full-service, comprehensive community and technical college is one such example. The college has campuses located in Brainerd and Staples, MN. With the two campuses located 32 miles apart, they incurred considerable long distance bills. Therefore, with the promise of cost savings and other business productivity benefits they decided to look into IP-enabling their existing PBX equipment.

Central Lakes College was utilizing a Fujitsu F9600 PBX at each of their campuses. By connecting a Multi-Tech MultiVOIP gateway to each PBX, they were able to network the two together. "The MultiVOIP gateways are able to run in clear channel mode," explains Scott Streed, Director of Technology at Central Lakes College. "So, in essence, the MultiVOIP gateways look like a point-to-point telco T1 network," said Streed.

The MultiVOIP gateway is a point-to-point solution (one is required at each location) that merges voice/fax from traditional telephones onto the IP network. It then utilizes another MultiVOIP gateway at the remote end to separate the voice/fax from the data network and send it back to the receiving phone. Central Lakes College installed two digital MultiVOIP gateways, which provide 24 communication channels. This means, they can have up to 24 simultaneous phone calls operating at any one time.

"By using the MultiVOIP gateway, we are able to provide easy 4-digit dialing between campuses while avoiding long distance charges," said Streed. "In addition, we are now able to provide centralized voice mail to our users. We couldn't be happier with our new system."



## MultiVOIP Gateways

- Toll bypass voice/fax communications
- PSTN voice quality
- Connects directly to phones, fax or PBX
- Turnkey digital solution with 24 to 48 channels

## Central Lakes College,

located in Brainerd and Staples,

Minnesota is a member of the

Minnesota State Colleges  
and Universities system.

Central Lakes College is a  
comprehensive community  
and technical college

servicing about 4,000 students

per year. The Minnesota State

Colleges and Universities system, is a  
network of 35 two-year and four-year  
state colleges and universities serving  
about 145,000 students on 53 campuses  
in Minnesota and  
a campus in Akita,  
Japan.



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