

Synway compact and economical E1/T1 gateway helps education center to upgrade the legacy PBX to IP PBX

CASE STUDY

Based in Hangzhou, China. **The YQ Training Institute (YTI) Education Center** is a national network of non-profit organizations authorized by YQ Training Institute to deliver occupational safety and health training to public and private sector workers, supervisors, and employers on behalf of YQ.



Challenges:

YTI Education Center is a relatively new program of YQ, steadily growing in size year after year. Like many organizations of a similar size, YTI Education Center's communications infrastructure centered around a small, open-source PBX platform. It had served its purpose very well for a number of years but now YTI Education Center was looking to take things a step further. It wanted to benefit from the latest in unified communications while at the same time reducing its ongoing costs. The new solution had to offer full voice communications with user collaboration, instant messaging and presence. At the same time, YTI Education Center had limited space available so it needed a compact solution which would not require multiple servers and dedicated racks.

Solutions:

SMG2030L/2060L are unparalleledly cost effective and compliant with PRI ISDN, R2 and SS7 packets, and adopt the equivalent hardware architecture like Telco' grade SMG3000 series, with dedicated DSP chipsets for processing IP/TDM signaling and optimizing voice quality. Compared to with rival products, SMG2000L features high reliability and unparalleled cost efficiency, and delivers a perfect alternative option for enterprises, operators and system integrators. Some of specific values include:

- **Flexible and efficient VoIP Gateway Solution**

With its scalable density and versatility, SMG2000L can help enable wireless and wireline service providers to add new Value Added Services (VAS) quickly, and provide a clear migration path to an all-IP network. It can scale up to 60 simultaneous IP sessions and at the same time provide media transcoding and impressive sessions per second.

SMG2000L support voice densities ranging from 30 to 60 channels, call routing, call translation and IP transcoding in a single mini chassis for gateway operations. The integrated gateway functionality not only provides interworking between IP and TDM domains, but also automated failover from IP to TDM for outbound routing. These features help service providers looking to improve network and routing resiliency and lower TCO. These capabilities make the

SMG2000L an excellent option for mobile VAS, SIP trunking, contact center and emergency service deployments, as well as for retail, wholesale, business, and enhanced Voice over IP (VoIP) services.

- **Any-to-Any Signaling and Multimedia Connectivity**
SMG2000L provides any-to-any network connectivity through its ability to interwork multiple protocols used by telecommunications providers to deliver services to their retail, business and wholesale customers. It can provide interworking between ISDN, SS7, SIP formats.

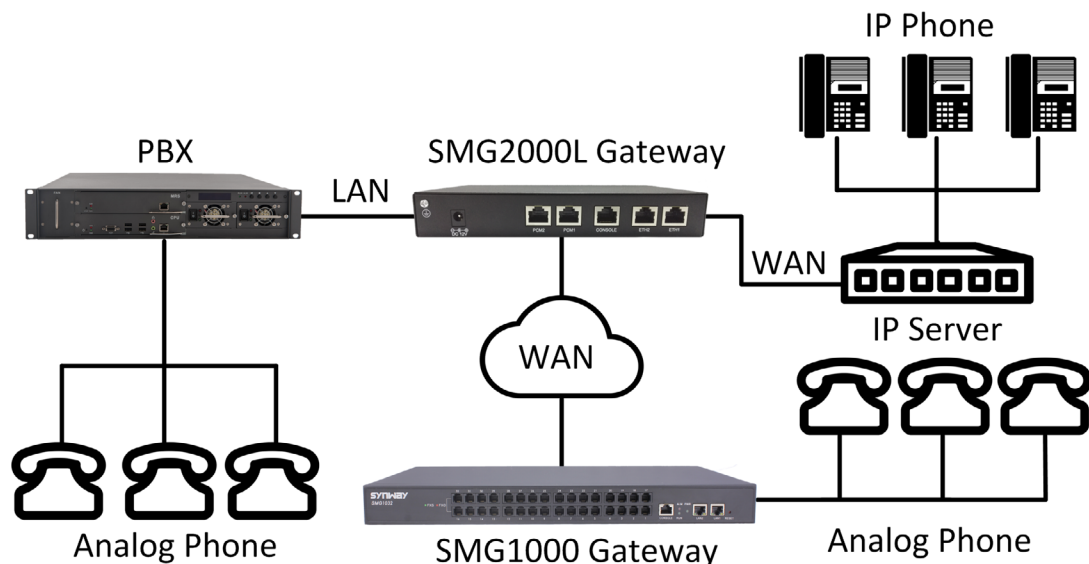
SMG2000L also supports any-to-any media transcoding for popular voice codecs. T.38 and G.711 fax interworking and support for RTP, INBAND and SIPINFO method based tones and event handling complement the media transcoding capabilities to provide a high degree of flexibility to help deliver value added services economically.

- **User-friendly management and configuration toolkits**

The Web graphical user interface (WebUI) is a real-time web toolkit to configure, monitor SMG2000L. It allows operators to configure and perform real-time monitoring and maintenance. Flexible SIP and Protocols configuration enable services providers and enterprises to seamlessly connect in hybrid networks, Helping configure SIP, SIP trunking, SIP Mediation, PCM, SS7 and ISDN, Routing and more; And a broad range of gateway toolkits also help gateway's maintenance and software upgrading for Web UI, gateway services and firmware.

Results:

YTI Education Center's transition from its legacy PBX to SMG2000L was carried out very smoothly and quickly. The organization now has a fully functioning unified communications platform running on a single appliance, which minimizes the issue of infrastructure management and has led to the streamlining of its overall UC operations.



About Synway

As a major manufacturer and supplier of communication products and solutions, Synway specializes in providing superior Multimedia Gateway, Integrated Multimedia Switch, Telephony Hardware in use for Telecom communications. www.synway.net

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