



Success Story

ZyXEL USG Solution Delivers Remote Access to China's Tianjin Wuqing County Bank Customers

Overview

Customer Name

Tianjin Wuqing County Bank, China

Customer Industry

Banking and finance

Challenges

- Provide access to online banking service in area with limited network resources
- Create secure and stable network solution
- Deliver banking services remotely to rural customers via 3G VPN

Solutions

- Unified Security Gateway

Benefits

- Provide a robust security solution without sacrificing performance
- Offer secure, easy-to-use, and convenient mobile banking services (Mobile Point of Sale) to local markets where it can serve all customers' needs



Background

Tianjin Wuqing County Bank was founded in 2013. The bank's headquarters is located next to China National Highway 103, the main traffic corridor between Beijing and Tianjin. Tianjin Wuqing County Bank was established to provide banking and financial services in rural areas of northern Tianjin. The bank invests primarily in developing financial services and infrastructure in rural areas.

The bank operates nine branches throughout Wuqing district and aims to open six more branches in 2015. It is a registered bank under the China Banking Regulatory Commission, and is also the first county bank and the only independent legal financial institution in Wuqing district, and the seventh county bank in Tainjin, China.

Challenges

In order to fulfill its business requirements, Tianjin Wuqing County Bank has established nine branches in Wuqing District and helped over 3,000 personal and SMEs customers. However, financial institutions serving rural markets often do so with limited resources to expand to more branches and offices, which in turn results in the loss of potential customers. Instead of scaling up physical bank branches, which would only benefit a minority of customers, the Tianjin Wuqing County Bank wanted to deliver secure, easy-to-use, and convenient mobile banking services (Mobile Point of Sale) to local markets where it can serve all

customers' needs.

Security is a top priority in mobile banking, and because of that, the Tianjin Wuqing County Bank sought to develop a robust and efficient solution that would deliver mobile banking and value-added services to its potential customers. The bank takes a broader view, helping customers in rural areas to not just hold a bank account, but really benefit from all the financial services the bank offers.

Solutions and Benefits

After careful consideration of the requirements of the Tianjin Wuqing County Bank, a ZyXEL security solution was chosen for the strong support and its ability to fulfill client needs. With the installation of ZyXEL's USG series VPN firewalls, the bank can guarantee secure data transmission. The bank has been able to use the ZyXEL USG100 Unified Security Gateway as a VPN server in the server room at the headquarters. The firewall function has helped to ensure secured data communication throughout the banking system.

The ZyXEL USG20 was chosen as VPN clients connecting to the server. Due to limited access to network environments in rural areas, the VPN connection was established using 3G connections along with the firewalls to ensure data transfer remained safe and secure.

For the mobile banking services, bank staff visiting customers simply carry USG20 and 3G cards along with the POS devices to provide financial services to rural areas. The data is transmitted securely back to the business servers in the bank's server room via the VPN tunnel.

The USG Series VPN firewalls ensure the stability of the data flow and the security of business activities. At the same time, the devices are easy to carry and reliable, which greatly increases the mobility of the bank's services

As a result, bank staff now can provide mobile point-of-sale (POS) services to rural customers as well as a range of other online services to individuals and SMEs.

Product Used



USG20 Unified Security Gateway

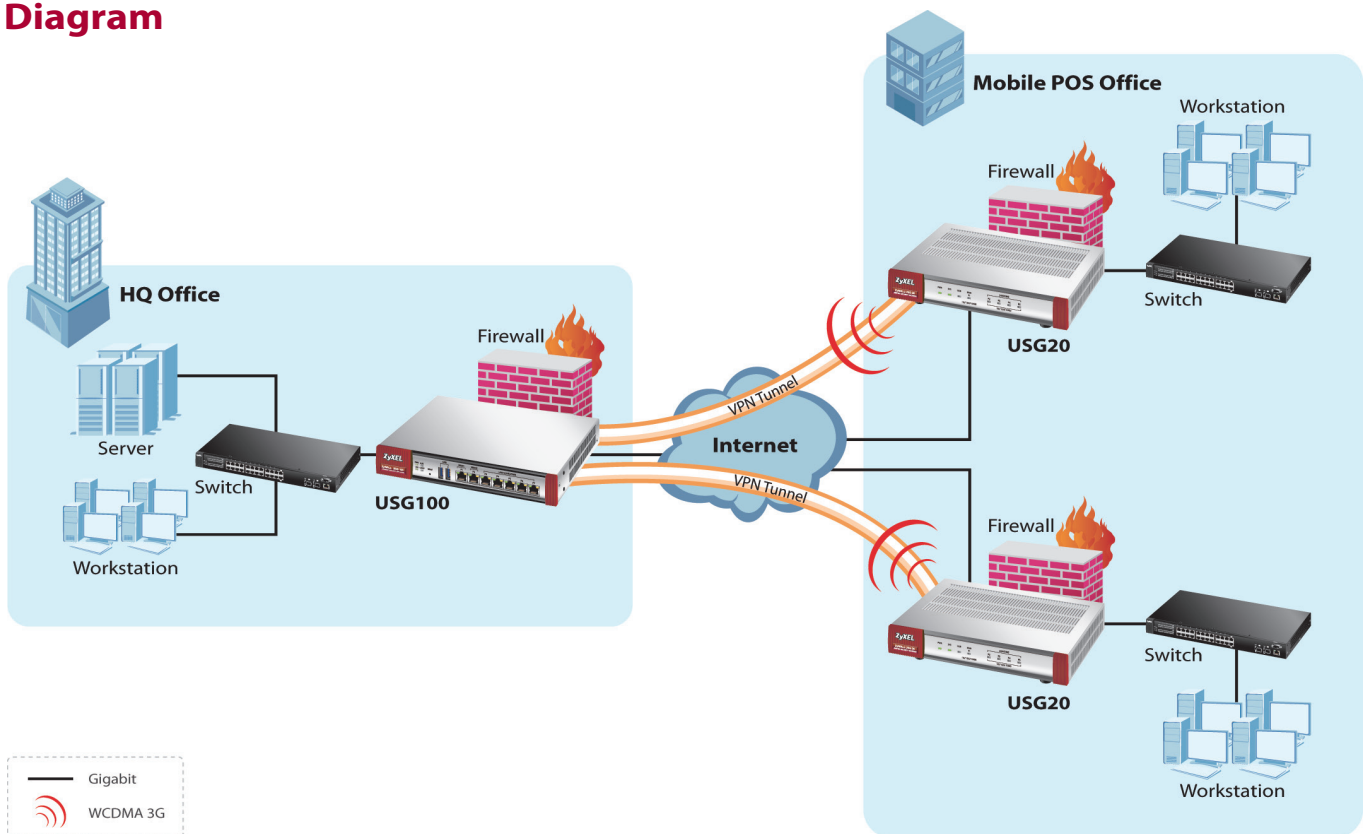
- Unified Security Gateway for SB
- All Gigabit Ethernet interface hardware design
- High-performance multi-layer threat protection
- Hybrid VPN (IPSec, SSL and L2TP) secures connection
- 3G USB dongle as the backup WAN



USG100 Unified Security Gateway

- Robust security without sacrificing performance
- Comprehensive support to IPv6
- Robust hybrid VPN (IPSec/SSL/2TP)
- Zero-configuration remote access with EASY VPN
- Supports L2TP VPN on mobile devices (iPhone and Android phones)
- ICSA Firewall, IPSec certification
- Content filter stops malware and Web threats
- Powerful Email security
- Non-stop Internet access with multiple WAN and 3G backups

Diagram



About ZyXEL Communications

ZyXEL Communications Corp., founded in 1989 and headquartered in Taiwan, is the leading provider of complete broadband access solutions. As one of the early modem manufacturers, ZyXEL has gone through transformations in the fast-paced networking industry. Delivering cutting-edge communications innovations to more than 400,000 businesses and more than 100 million consumers throughout the world, today ZyXEL is one of the few companies in the world capable of offering complete networking solutions for Telcos, small to medium-sized businesses, and digital home users for a wide range of deployment scenarios. Telco solutions include Central Office Equipment, Customer Premise Equipment, Wired and Wireless Access Network Devices, and Carrier Switches. SMB and Enterprise solutions include Unified Security Gateways, LAN Switches, WLAN, and IP Telephony. Digital Home solutions include Network Connectivity Devices and Multimedia Solutions.

The company has 1000 employees and distributors in 70 countries, reaching more than 150 regional markets. The ZyXEL Communications Corp. includes 35 subsidiaries and sales offices and two research and development centers worldwide. For more information, visit the company's Website, <http://www.zyxel.com>.

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