

# Successful Story

## SMC TigerSwitch 10/100 Managed PoE switches adopted by Thailand Provincial Electricity Authority.

The Provincial Electricity Authority is a government organization under the Ministry of Interior. The main business of PEA is to provide electric power for each province. Up to now, 73 provinces in Thailand depend on PEA's electric power supplement. (Approximately 510,000 km2, 99% scope of Thailand.) To improve citizens' living quality and develop country infrastructure, PEA deployed new technology of electric power supplement and distribution system for better efficiency, reliability and quality of service.

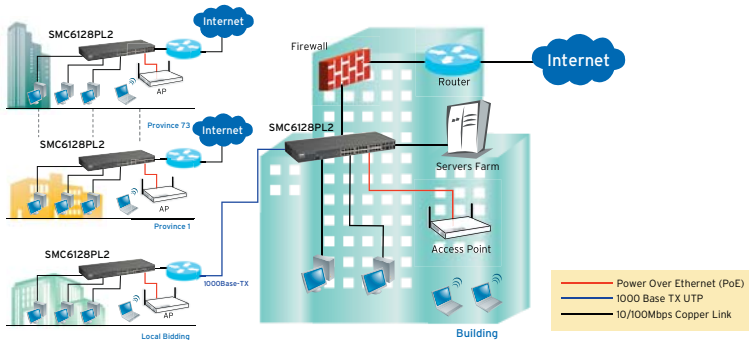
### Client Demand

- Need to build a strong network that connects all buildings between headquarters and branch offices in different provinces. To provide wired and wireless solution for branch offices. No power cable connection is required for clients in wireless networking.

### Solution

- For both wired and wireless network requirement, SMC6128PL2 is deployed in PEA headquarters and branch offices in 73 provinces. SMC6128PL2 provides PoE technology, with the PoE feature, the wireless access point can be installed without power cable connection.
- For each branch office, there will be 3~5 access points installed for wireless network, concerning the security, the enterprise access point provides WEP, WPA, WPA2, 802.1x...etc. to protect network security.

### Application Diagram



### Product Selection

SMC6128PL2 TigerSwitch 10/100 Layer 2; 228 units  
 24-port 10/100 Managed Switch and 2-port Gigabit combo ports  
 2-port 10/100/1000Mbps  
 IEEE802.3af Power over Ethernet



• SMC6128PL2