

Secured & Flexible Cellular Solution for ATM/POS Networking



>>> Background

-ATMs offer the height of banking convenience. Financial institutions strive to keep their machines online for 24/7/365, to satisfy customer demands. Downtime -means frustration for customers and potential revenue loss for banks.

-For some areas (for example, unattended ATM, POS suburban area), cellular based network can provide banks with more advantages and benefits than traditional network media:

- Wide coverage - reduce the construction cost;
- Low communication costs - Reduced communication costs caused by data flow;
- Easy install & maintenance - Quick and easy

installation with existing IP infrastructure;

-Different from SOHO cellular devices, for banks' usage, cellular devices must fulfill the needs of:

- Rugged – Robust in harsh outdoor environments (wide temperature/humidity), prevent damage from sunshine, fog and etc.;
- Auto-Recovery -- Reliability in un-attended remote sites ensures cash flow can be continuously sent to bank center;
- Safe -- Secured Tunnels for cash flow (support VPN, Firewall), preventing illegal access;
- Easy to install for large volume

InHand Products and Solutions

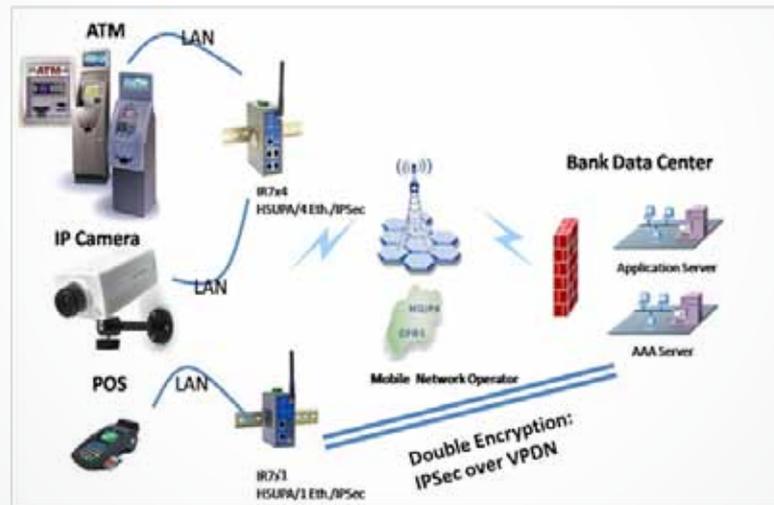
>>> Products



InRouter7x1 Series



InRouter 714WH01 series industrial 3G router



Network topology

>>> Description of solution

-InHand Industrial Cellular Router InRouter 700 Series can help banks to realize remote secured data transmission without considering distance and geographic conditions:

1. InRouter 700 dialup to local operator's private APN (VPDN) network, then built up an IPsec VPN tunnel in this VPDN tunnel to double-ensure security;
2. ATM/POS/IP Camera etc. can send data to Bank's data center via this IPsec over VPDN securely;
3. Always online ensures reliable data transmission even when connection failed.

>>>Features of Product and Solution

InHand cellular data transmission is especially appropriate for high-secure & high-reliable applications because of its advantages:

1. Robust in harsh outdoor environments:
 - Wide operating temperature: -25~70°C(-13~158°F), Humidity: 95% RH;
 - Long MTBF (over 30 years!) with high reliability, reducing maintenance costs for customers;
2. Reliable link between remote field and center via GPRS/UMTS networks has three layers' link detection and can redial to internet if failed;
3. VPNs provide with high-secured tunnels for UP/DOWN data flow, support IPsec/PPTP/GRE/L2TP/OpenVPN and especially support IPsec over VPDN;
4. Proven by major banks including ICBC, ABC, CMB, etc.;
5. Compact design, can be easily installed in ATM/POS.