

PRECIDIA
TECHNOLOGIES

Networking Automated Teller Machines (ATMs) using the POSLynx220 with NetVu

The Challenge

While broadband network connectivity is the de facto standard in today's enterprise environment, many retail payments devices cannot currently be networked. Automated Teller machines (ATMs) are among the critical pieces in the retail environment that have networking limitations. There are two basic types of ATMs in operation today. The first is dial based, processing transactions using a dedicated telephone line. The limitations of dial based set ups include slow transactions, the cost of a dedicated telephone line, and inflexibility due to reliance on a land line.

A second type of ATM is broadband IP enabled via an Ethernet port. This type of ATM can take advantage of newer, more advanced networks such as DSL and cable for faster, more cost effective transactions. However, these ATMs are still limited by a wired land line connection. In addition, with the cost of 'always on' digital wireless networks on the decline, a wireless option for ATMs would reduce costs and offer mobility for tradeshows, seasonal events or other temporary outdoor retailing.

Precidia's Solution

The POSLynx220 is the ideal solution to network both dial and IP ATM machines over the public internet via wired or wireless. The POSLynx220 is a payment router designed specifically to meet the rigid security requirements essential to protect transactions over the public internet while providing a simple installation and management solution.

The POSLynx220 is capable of connecting any ATM to either a wired or wireless IP network. With 2 dial and 2 serial ports, the device can connect to a wireless modem or to a cable or DSL modem. In both cases, the POSLynx220 offers the following features:

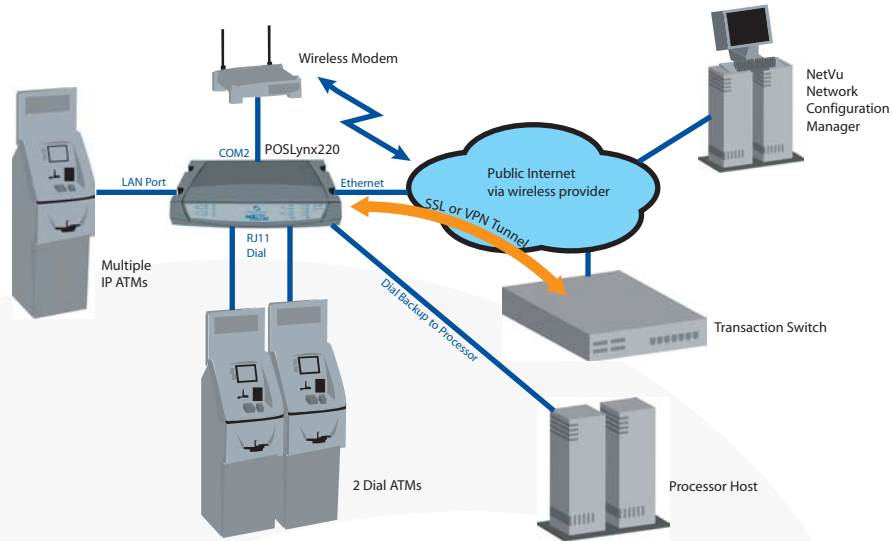
- 10/100 Base-T Ethernet capability
- Automatic Dial back up (via ISP or true dial) in case of network failure
- SSL data security protection, and field tested firewalling
- Additional dial/serial ports to network incremental devices

Going wireless is simple with the POSLynx220. Connect a certified modem from a wireless provider such as Verizon, Sprint, or Cingular to COM2 on the POSLynx220. The POSLynx220 can then use the Wireless connection as a way to send transactions securely to the payment processor.

The POSLynx220 with NetVu is an ideal solution to network ATMs using wired or wireless IP networks. Benefits include:

- Greater ATM mobility
- Access to low cost, reliable networks
- Ability to network IP and dial based ATMs simultaneously using one device
- Faster transaction authorization
- Simplified remote deployment and management with NetVu
- Industry leading security and reliability features
- Real-time data logs and performance statistics for efficient diagnostics
- Ability to customize using POSLynx development environment





IP ATMs

The POSLynx220 is an optimized network router for Ethernet enabled ATMs. The POSLynx220 can support up to 100 unique ATMs acting as a virtual gateway to the payment processor. The POSLynx220 is already certified with most payment processors, so all necessary messaging is handled automatically.

Dial Up ATMs

In addition to supporting multiple IP ATM machines, the POSLynx220 can concurrently accept 2 dial up ATM machines. These units are plugged into the DIAL1 and DIAL2 ports. The POSLynx220 completely resembles the telephone network, so no changes are required to the existing ATMs.

Network Management and Deployment

When the POSLynx220 is coupled with the NetVu management server, it becomes a very powerful solution that makes deployment and management simple. Essentially, a POSLynx220 can be sent to the field completely unconfigured. When the unit detects a network connection to the internet, it will 'call home' and download its configuration file from NetVu. In addition, diagnostics are simplified with daily logs of transactions, and statistical data on ATM performance. Imagine reviewing the events of a transaction that happened several weeks ago, or helping a merchant debug a real time problem with all the data at your fingertips

Security and PCI

Running transactions over the internet is inexpensive, fast and available virtually everywhere. However, the cost of this convenience is security vulnerabilities. Designed with these threats in mind, the POSLynx220, which supports SSL, relies on NetVu working in the background to deliver up to the minute security patches or updates. Other important security features include processor key and certificate management as well as multi-level password protection. Precidia has taken the recommendations of the PCI specifications a step further to give you the peace of mind of unparalleled data security.

For more information: 1-877-998-2747 x.300 or info@precidia.com