DVMS 1600 with Conventional ATMs

(Multidrop)

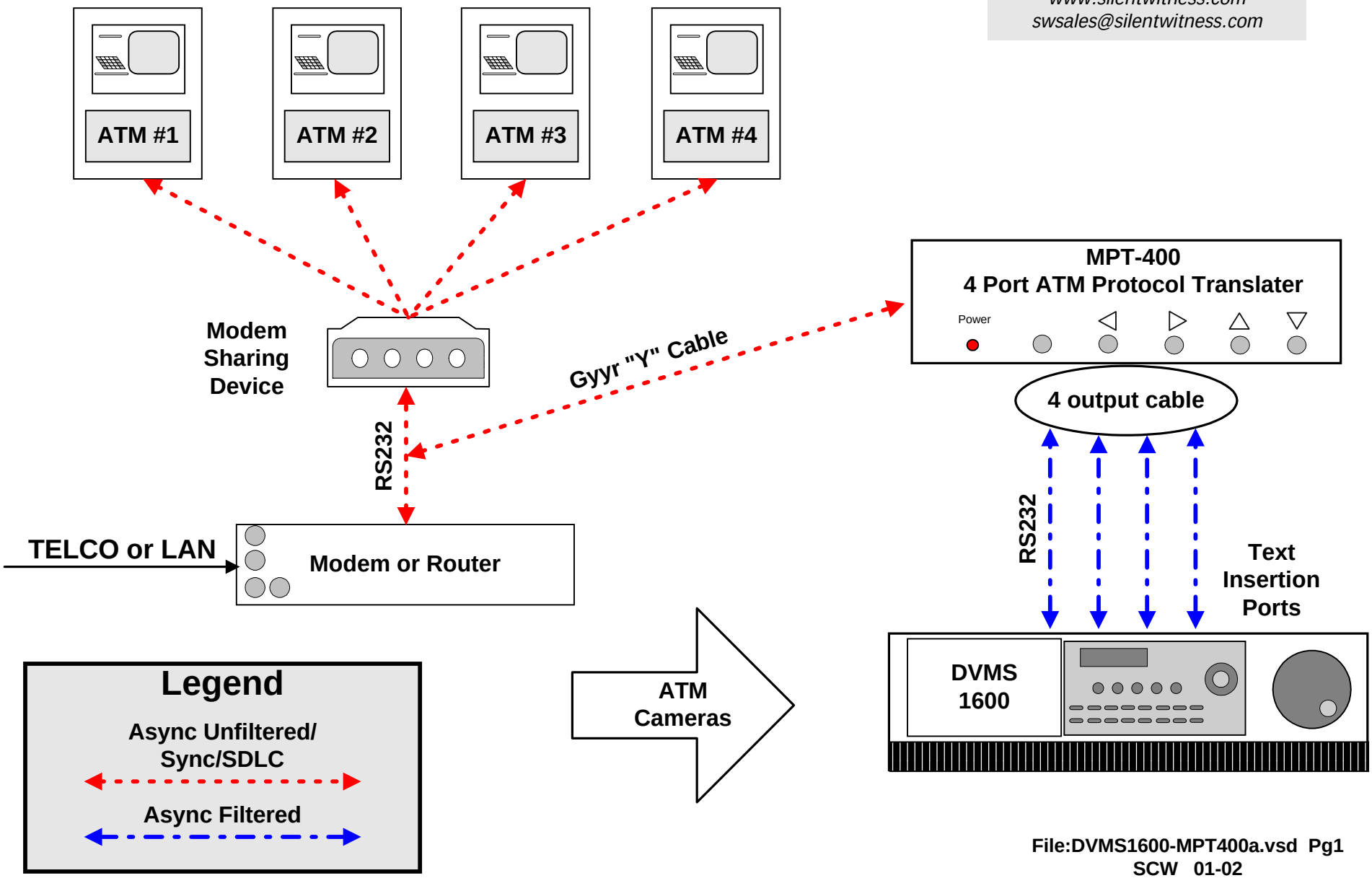
SILENT WITNESS®

Applications Specialists Group

604-574-1526, 604-574-1523

www.silentwitness.com

swsales@silentwitness.com



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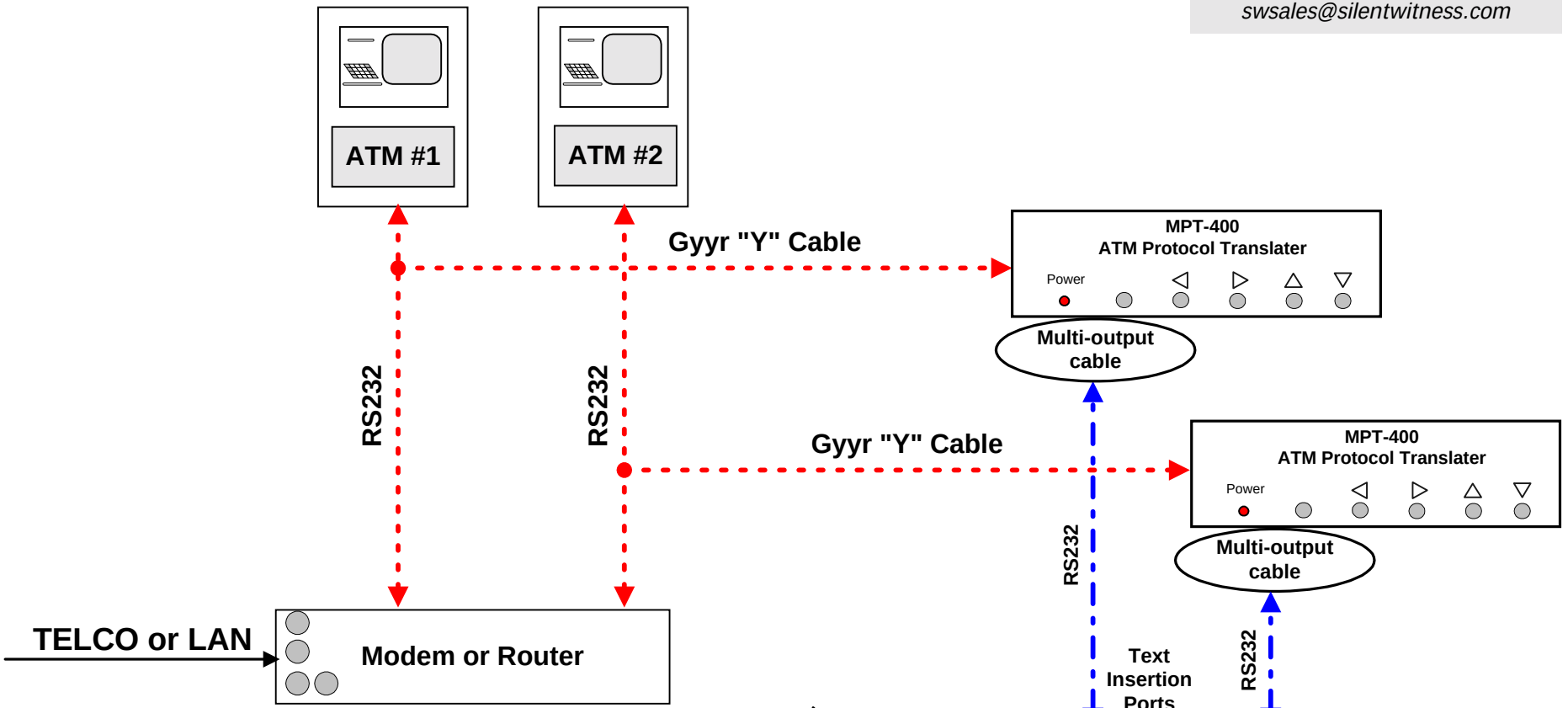

Legend

Async Unfiltered/ Sync/SDLC

Async Filtered

DVMS 1600 with Conventional ATMs

Overview:
These diagrams show how up to multiple ATMs can be connected to the DVMS family products.

Description:
The DVMS 1600 has 4 text inserter ports. Each TI port can directly accept ***only*** Asyncronous RS232 ASCII based text, from any compatible host device. However, most ATMs communicate to their respective ATM networks in non-Async protocol, such a SYNCRONOUS, BISYNC, NRZI and others. Therefore, most ATMs cannot directly connect to DVMS without some form of conversion.

Typical Hookups:
Many bank branches will have multiple ATMs connected to a single modem or router, through a modem sharing device. In this case, each ATM gets the same mulitplexed information, but will only accept transaction information unique to the transaction in progress. The ATM will respond and execute the transaction based on unique address information imbedded in the data header. Along with the transaction, there will be extraneous data that is undesirable for display, like PIN codes and other non-essential information.

Solution:
The Multi-Protocol Translater MPT-400 was created to allow DVMS to accept ATM data and properly display transaction information from a variety of ATM networks.

Using the supplied "Y" cable, the MPT-400 will eavesdrop on the communication between the ATMs and the modem. The MPT-400 will then process the data in several ways. First, it will convert the data from whatever protocol it was to Asyncronous. Then, it will strip away any extraneous data not required during actual text insertion. (This is specified during setup by the installer). Lastly, it will read the header information and route the data to one of four output ports, via the supplied 4 port cable.

Benefit:
By using the MPT-400, DVMS will accept ATM transaction information directly as a data file associated with the corresponding video of the transaction. Since the transaction information is not permanently "burned" into the video image, the user can conveniently toggle the text on or off during review. The greatest benefit is that DVMS can perform advanced text-based searches. A report can easily be created that looks for specific text strings, such as TRANSACTION # or AMOUNT. Simple arithmetic operations can be used to allow convenient searches for "All Withdrawal Transactions over $300.00". These benefits can be realized locally or during remote connection using DVMS RAS software.

Installation Note:
In some cases, multiple ATMs at a bank branch may communicate to the ATM network via independant modems, routers or connections. In these **Non-Multidrop** scenarios, you will have to use an MPT-400 for every ATM at that branch (See both **Multidrop** and **Non-Multidrop** drawings). If you are unsure whether your installation will require more than one MPT-400, use the following directions.

Determining Required # of MPT400's per Installation
Here are a few questions which help answer whether one MPT 400 is needed for each ATM.

Is the network data to the ATMs at that branch multidrop or non-multidrop?
What are the Addresses of the ATMs?

Non-multidrop = one MPT400 for each ATM.
Common setup: Each ATM connects to one port of the Router. The addresses of the ATMs are the same, example: ATM 1 = C1 and ATM 2 = C1. Since the data feeding to each ATM is unique, you need an MPT400 for each ATM.

Multidrop = up to four ATMs on one MPT400.
Common setup: One output of the router connects to a modem share device. The ATMs connect to this modem share device. The ATMs usually have different addresses example: ATM 1 = C1, ATM 2 = C2. Since the data connection feeding each ATM is multiplexed and identical, you can use a single MPT400 for up to 4 ATMs.