

QSI[®] Systems

4200 Transaction Interface Module

Works in conjunction with QSI Video Controllers

System Overview

The 4200's are remote transaction modules, designed to work with QSI Video Controllers. They enable transaction monitoring of devices such as ATM machines, Currency Counters and more. As transactions occur the 4200's intercept critical data (Transaction #, Card #, System Time & Date) and send the data to one of QSI's Video controllers for text insertion over the correct camera in the video system. Up to 16 model 4200's can be used in a single video system.

Plug and Play:

The 4200 was designed to automatically configure itself and provide diagnostic information during the installation and setup procedure.

- Automatic Protocol Detection
- Automatic Message Format Detection
- Automatic ATM Poll Number Detection
- Real-time Diagnostic Feedback

"It doesn't take a rocket scientist to install this unit"



The 4200 documents crucial transaction information to aid investigators in the battle against fraudulent claims.



Designed, Manufactured and Assembled in the U.S.A

Applications:

- ATM Machines
- Teller Lines
- Currency Counters

ATM Machines:

Used as an ATM (automated teller machine) interface, the 4200 captures selectable account information related to Transactions in progress. Card numbers, transaction numbers, synchronous Time and Date are captured by the 4200 interface, during the actual transaction. This information is then sent to one of QSI's Video Controllers for insertion over a specified video camera.

Teller Lines:

Used in a teller line application, a single 4200 can monitor up to 16 teller terminals. As transactions occur throughout a bank branch the 4200 sends the selectable transaction information to one of QSI's Video controllers for insertion over the correct camera viewing the actual transaction.

Currency Counters:

For Applications in casinos and money processing centers, the 4200 gathers the tallied information (# of bills, total dollar amount, shortage, overage, time/date, etc.!) received from the money processing device. This information is then sent to one of QSI's Video controllers for insertion over the correct camera viewing the machine area.

4200 Specifications Issue 3.0

Power:

12 volt AC 600ma. (unit supplied with UL approved 120VAC to 12VAC transformer with plug-in female jack.

Size/weight:

5.5"W x 6.0"D x 1.75"H 1.0 lbs enclosed metal case.

RS232 Connectors:

10 pin DIL at 4200 with ribbon cable to 25 pin "D" male to female adapter for connection between modem and ATM machine or other communicating devices. (supplied with units)

3 pin quick release terminal block for connection between 4200 and QSI Video Controllers. Models 1600TC, 1700TC and 8200TC.

Isolation:

Designed with 68K Ohms of passive isolation, the 4200 interface module is a transparent, non interfering device linked to an RS232 data communication line. It is a listening device only with no transmitting capability to the data communication line.

Auto Protocol Sensing:

Unlike other manufacturers of transaction interfaces, The **4200 automatically detects the protocol** being used between the transmitting and receiving devices. Example: An ATM machine and a bank controller.

Protocols/ Codes Supported:

- SDLC-NRZ EBCDIC/ ASCII
- SDLC-NRZI EBCDIC/ ASCII
- 3270 BISYNC EBCDIC/ ASCII
- ASYNC 7 bit / ASCII
- Max baud rate 38.4 k baud

High Speed Transmission Modes:

For ATM machines linked to high speed transmission modes such as ethernet or frame relay, please contact QSI Systems for an ATM interface solution.

Auto Poll Select:

The **4200 automatically and continuously detects the correct Poll Number** assigned to the ATM machine that it is monitoring. Automatic Poll number detection ensures that the transaction interface will respond only to the machine it is intended for, and not one of the other machines on the network.

Message Format Analyzer:

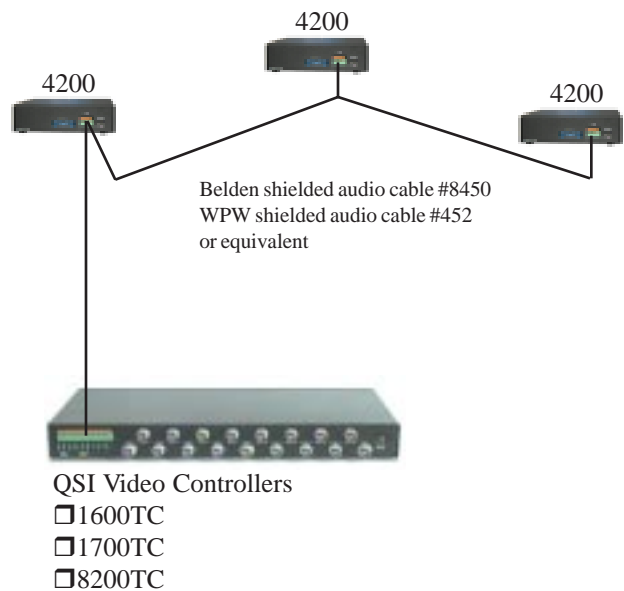
80% of all ATM machines in use run what are referred to as standard message formats, (Diebold 910/911, NCR, Fujitsu, etc!). The 4200, during installation will recognize and automatically configure to these formats. The 4200 also contains a library with over 16 yrs. of custom formats in use throughout the world and will also automatically recognize and configure to those as well.

Custom Formats:

Should the 4200 come across a message format not contained within its format library, Arrangements can be made to capture the format and add it to the 4200 library. This is generally not an issue with ATM interfacing, but more with teller line and card access interfaces.

Collective System Intelligence:

The 4200 interface is a solid state microprocessor based device. Each unit is power loss protected and will retain its programming and setup for 10 yrs typ. Once the 4200 is setup with a QSI video controller, they function collectively transferring their respective programming to the other units in the system . Should any unit require service, a replacement unit can be put in and instantly programmed by the other units.



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