



# TCPIP232 Client Server

The TCPIP232 Client Server Interface is designed to deliver POS / Cash Register Transaction Data to a compatible DVR over an existing Ethernet LAN connection with in several configurations and protocols.

## Client Mode

The Client Mode connects directly to a POS / Cash Register via RS-232 or RS-485 to receive the POS transaction data. This configuration is one Client for one POS. It also has the ability to connect to the AVE RS-485 Network as a Master or Hydra which allows one Client to read data from up to 16 VSI-Pro Max. The POS transaction data for either configuration can be assigned a single IP address with a unique Port number for each POS so a compatible DVR can determine the origination of the POS transaction data.

The POS transaction data for either configuration can also be assigned an ID and assigned a single IP address with a single Port number which then is translated by the Server Mode to output data of up to 16 POS in the AVE Protocol of Generic ASCII, VSI-ADD or Vnet via RS-232 or RS-485 to compatible DVRs..

## Server Mode

The Server Mode has the ability to read the POS transaction data that any Client has placed on the LAN network in either TCP or UDP format and output this data in either RS-232 or RS-485 format with the AVE Generic ASCII, VSI-ADD or Vnet protocol. This data then connects to a compatible DVR or a VSI-Pro Max for overlay. The Server merely passes the data to its Serial port that is sent from any Client or Hydra on the LAN. Therefore you must set the protocol appropriately and similarly for all Clients on the LAN.

## Summary

The TCPIP232 Client Server is one device that can be configured in numerous ways as either a Client or Server connecting directly to POS / Cash Registers or via the AVE RS-485 Network. Multiple Clients or multiple Servers can be placed on the same network to achieve any configuration or data speed required.

## TCPIP232 Client Server LED Indicators(sequence from left to right)

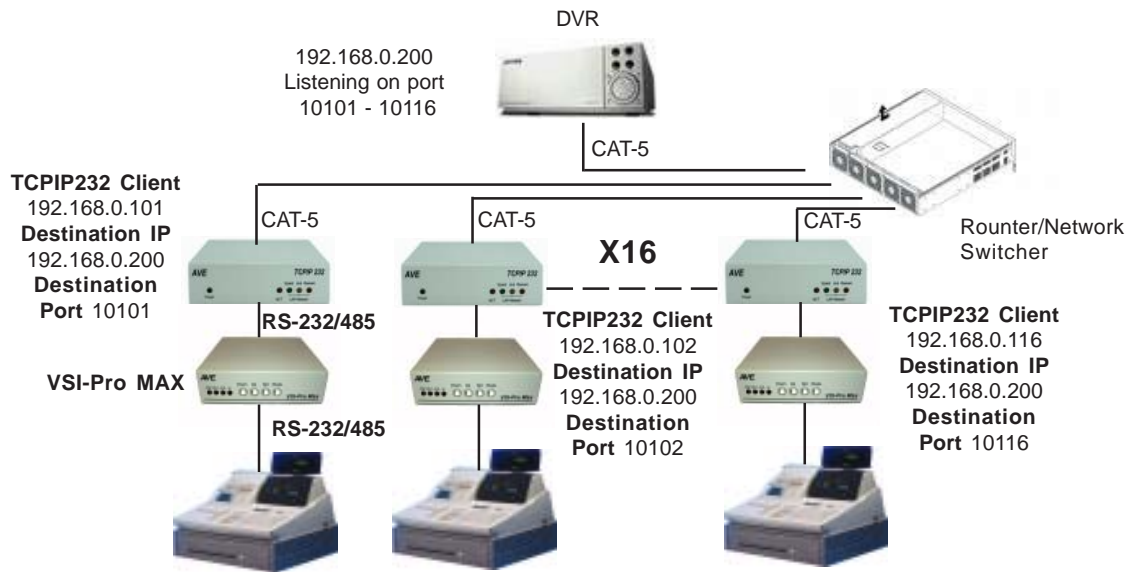
<b>GREEN</b>	<b>POWER</b>	TCPIP-232 Client Server Power Status
<b>RED</b>	<b>NET</b>	Sending / Receiving RS-232 / RS-485 Data Packet

### LAN Network LEDs

<b>YELLOW</b>	<b>SPEED</b>	OFF = 10Mbps, ON = 100Mbps Ethernet.
<b>GREEN LINK</b>	<b>LAN</b>	Status, ON = Ready OFF = Not ready
<b>RED</b>	<b>RECEIVE</b>	TCPIP-232 Client Server Send / Receive data from LAN

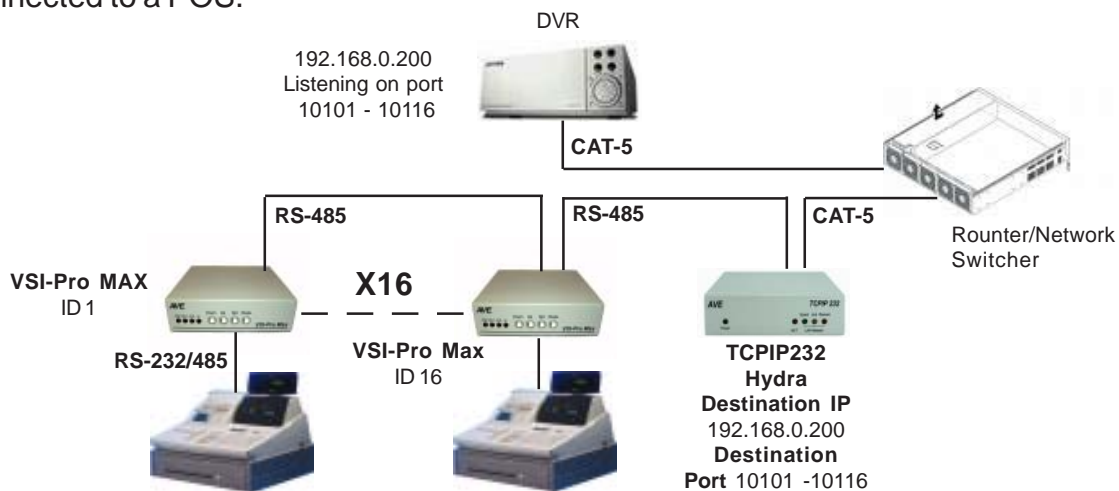
## Client Mode connects with DVR with Multiple Listening Ports Text Insertion

The DVR supports multiple IP Ports for receiving data packets from up to 16 Clients.



## Master / Hydra Mode Connects with DVR with Multiple Listening Ports Text Insertion

The DVR supports multiple IP Ports for receiving data packets from up to 16 Clients. The Client Hydra mode supports the AVE RS-485 Network Protocol to up to 16 VSI-Pro Max connected to a POS.



## Server Mode connect with Client Mode

The DVR receives RS232 or RS485 input in the VSI-ADD or Vnet protocol for Database storage or Text Insertion from the Server mode. The Server has received a data packet from Client or Master Hydra Client Mode with single or multiple IPs in either TCP or UDP Protocol.

