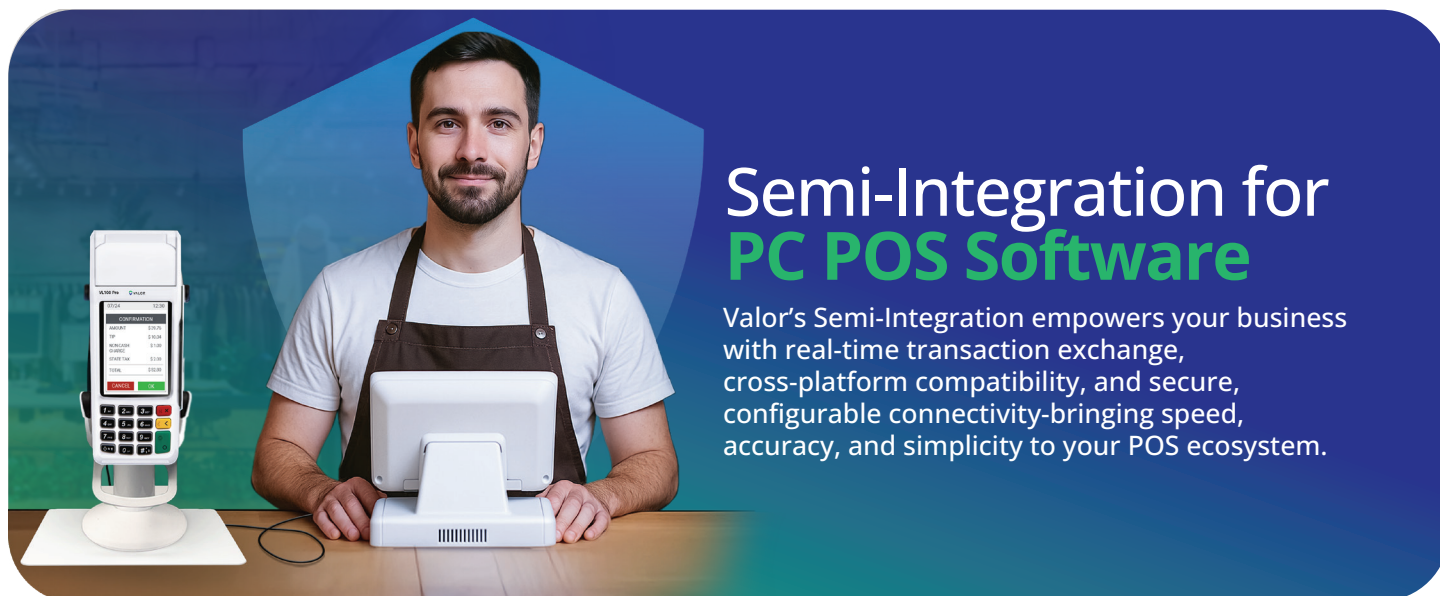




Semi-Integration for PC POS Software

Valor's Semi-Integration empowers your business with real-time transaction exchange, cross-platform compatibility, and secure, configurable connectivity-bringing speed, accuracy, and simplicity to your POS ecosystem.

Benefits of Semi-Integration



Seamless Real-Time Transaction Exchange

Valor supports real-time transaction exchange using JSON-formatted payloads, ensuring that every transaction is captured accurately and instantly. This reduces errors, improves reconciliation, and keeps your third-party systems fully in sync with your Valor POS.



Cross-Platform Developer Support

Integration works across multiple programming languages, with sample code available in Python, Node.js, and C. This enables your technical team or ISV partners to implement Semi-Integration quickly and efficiently, regardless of the tech stack.



Configurable with Minimal Setup

All settings are managed through the Valor Portal, making configuration straightforward and fast. Simply enable the required integration flags, download parameters, and your system is ready to communicate with Valor terminals.



Secure & Structured Data Transmission

Valor Semi-Integration ensures data is transmitted securely using framed messages, maintaining transaction integrity and protecting sensitive information during every step of the exchange.

Flexible Communication Options

TCP & WebSocket

- Works on Ethernet and Wi-Fi terminals.
- Semi Integration flag (TCP / Web Socket) must be enabled in Valor Portal.
- Connect using POS IP address and Port 5000 for requests; Port 5001 supports transaction cancellation.
- Enables real-time transaction exchange using the standard API payload request and response format.

Cloud

- Works on Ethernet, Wi-Fi, and GPRS terminals.
- Valor Connect cloud flag must be enabled.
- Terminals connect to Valor Connect cloud, waiting for client requests with automatic response handling.
- Supports the same API payload request and response format as other modes, enabling seamless integration with third-party software.

USB

- Enables USB communication with Linux POS terminals (VL100Pro, VL100, VL110, VP100, VL300 Standalone).
- Works on Ethernet, Wi-Fi, and GPRS terminals.
- Semi Integration flag USB mode must be enabled in Valor Portal.
- Enables real-time transaction exchange using the standard API payload request and response format.
- Both terminal and client must pad the payload with <STX> before the API request/response and <ETX> after the API request/response to ensure structured communication.
- Supports sample code in Python, Node.js, and C for testing integration.

Easily manage and select your preferred communication method directly in the Valor Portal.



TCP



WebSocket



Cloud



USB



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