serquo

Device Connectivity Solutions
(XFS, J/XFS, XFS4IOT)

Over 30 years working with banking standards

Device connectivity encompasses the various methods, protocols, and technologies used by organizations, systems, and software to communicate, send, and receive data between hardware devices.

At Serquo, we have been working for 30 years:

✅ Developing standard drivers (XFS Service Providers or J/XFS Device Services).

✅ Offering specialized connectivity solutions for banking institutions: printer integration, cash recyclers, deposit units, dispensers, signature tablets, biometric readers, etc.

LAN

REST client

WebServices

WebServices

We are part of the European Committee for Standardization that defines XFS

30 years working with leading standards back us up

"**Rely on the best experts in connectivity solutions specialized in financial devices.**"

Pontus Danielsson
Director of Security and Operations at Serquo

Integration of a New Device in a Banking Environment

🏃 The Challenge:

A multinational banking institution needs to integrate several new devices (such as a cash recycler, biometric reader, pinpad, among others) into its branch terminal network. However, current systems are not compatible and do not allow proper communication with these new devices.

In addition, the institution's technical staff lacks previous experience in implementing the CEN/XFS standard or developing Service Providers.

💡 Serquo's Solution:

We developed Service Providers compatible with XFS 3.X and XFS4IoT standards, fully adapted to the institution's technology environment. Our solid experience in integrating banking devices and connectivity enables us to incorporate these new devices quickly, without disrupting existing system operations.

Additionally, we complemented the technical solution with specialized training, empowering the internal team to manage and evolve the new ecosystem independently.

Custom Service Providers for Commercializing New Devices

The Challenge:

A prestigious hardware manufacturer has developed a new financial printer but cannot bring it to market due to the lack of Service Providers compatible with the XFS standard, which limits access to the financial sector.

Serquo's Solution:

We collaborated with the manufacturer from the early design stages through to the delivery of a fully functional Service Provider, meeting the technical requirements of the XFS standard and ensuring easy integration into various banking environments.

In addition to a robust technical solution, the client benefits from our specialized consulting and over 30 years of experience in the development and integration of financial devices.

Legacy Connectivity Management and Infrastructure Evolution

🏃 The Challenge:

A global financial institution was managing a network of devices connected via outdated (legacy) developments, lacking technical documentation and experiencing frequent connectivity issues.

Furthermore, they had no internal resources capable of understanding or maintaining the existing architecture.

💡 Serquo's Solution:

We took over the management of this legacy connectivity, thoroughly analyzed its operation, and proposed improvements or partial rewrites when necessary. We evaluated various options: adopting standards, analyzing drivers, DLLs or Service Providers, and developing modern communication layers such as REST APIs.

At the same time, we provided continuous technical support and maintenance, ensuring system stability without the need to redesign the entire architecture. We also documented the updated environment to support future technological evolution.

Complementary Services

We offer the following services related to device connectivity:

Service Provider Testing

We have the knowledge, tools, and specialized team needed to perform QA, certification, and validation of any XFS Service Provider. We verify that your Service Providers conform to the standard.

XFS Training

We offer XFS training courses tailored to the client's needs. These range from courses focused on communication with Service Providers to full Service Provider development.
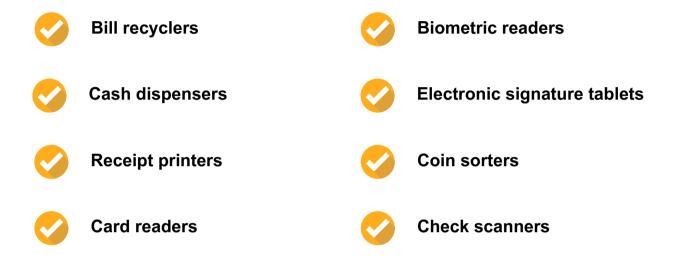
Our training is flexible and can be aimed at SP development, application development based on XFS, or log analysis and troubleshooting in XFS environments.

XFS Consulting and Advisory Services

We review your XFS device setup, suggest improvements, and implement changes when needed.

List of Financial Devices We Connect

Here are **just a few examples** of the devices we can connect:

- ✅ **Bill recyclers**
- ✅ **Biometric readers**
- ✅ **Cash dispensers**
- ✅ **Electronic signature tablets**
- ✅ **Receipt printers**
- ✅ **Coin sorters**
- ✅ **Card readers**
- ✅ **Check scanners**

And any other type of financial device.

Compatible with hardware from any manufacturer, including: Epson, Brother, HP, NCR, Diebold Nixdorf, Fujitsu, Toshiba, Hyosung, Poslab, HID Global, Suprema, ZKTeco, Nitgen, Anviz, BioEnable, Crossmatch, SecuGen, Futronic, Lumidigm, Dermalog, NEC, Hitachi, IDEMIA, Green Bit, Innovatrics, Aware, Wacom, Evolis, Topaz Systems, Signotec, ePadLink, Scriptel, Hanvon, Cassida, Glory, Magner, Giesecke+Devrient, AccuBanker, Safescan, Hitachi, Procoin, CashPhenix, CashDev, Canon, RDM Corporation, MagTek, CTS North America, ARCA, Burroughs, Seiko Epson, NCR, Kodak Alaris, Avision, Plustek, Datalogic, Fujitsu, Bowe Bell + Howell, Unisys, HP, Cennox, Prosegur, Toshiba, Verifone, Ingenico, Square, SumUp, Miura Systems, Castles Technology, Equinox Payments, etc.

For any questions about the financial devices we connect:

info@serquo.com

Why choose Serquo?

At Serquo, we have been developing technology solutions for over 30 years, connecting financial devices and payment systems in banking and retail environments. Our experience has allowed us to work with a wide variety of devices and manufacturers, adapting to the specific needs of each client.

Highlighted Clients:

info@serquo.com and **serquo.com**