

About Interfacer Middleware

Interfacer is a configurable middleware for interfacing clinical diagnostic instruments.

It is capable of handling biochemistry, immunology, cell counters, microbiology IVD diagnostic devices using industry standard communication protocols.

It enables Clinical Research & Biopharmaceuticals laboratories to capture data from a variety of low to high throughput instruments by integrating with MES, LIMS & other systems.

Interfacer Key Features

Feature	Details
Instrument Supported	Any In vitro diagnostic instrument used in hematology, biochemistry, immunodeficiency-assay microbiology, histopathology, POCT, urine, blood gas, electrochemical, molecular diagnostic, sample procession robotics.
Manufactures supported	Any manufacturer who supports input/output via RS232, TCP/IP, USB, File, HL7.
Communication protocols supported (instrument)	ASTM 1394, ASTM 1381, HL7, Custom protocols.
Database used by middleware	MS-SQL Server (2008 or higher).
LIS/EHR/HIS Integration	Database, File based (CSV, xml, txt), HL7.
Database supported - LIS	MS-SQL Server (2008 or higher), Oracle 10g or higher, PostgreSQL 8 or higher.
Database support - middleware side	MS-SQL Server (Express, Standard, enterprise editions).
Compliance	21 CFR Part 11, HIPAA, cGCP, GLP.
Installation and Support availability	Global.
Middleware Instrument configuration	Instrument setup, communication protocol, multi-messages per instrument, message parsing, parsed field mapping
Middleware LIS/EHR/HIS configuration	Test Mapping, Parameter Mapping, Results Mapping, Result flagging.
EDI	Push and Pull of files for communication.

Interfacer Benefits

- ✓ Easy adaptability due to reduced complexity to use and standardisation
- ✓ Better and richer user experience due to simple design and operations
- ✓ Time and cost savings due to faster and accurate data transfer and easy maintainability
- ✓ More transparency and reliability of operations
- ✓ Error-free operations due to uniformity and consistency of data processing