

LINKMED[®] D

HL7 ADT/Order/Result and Billing Interface

Complete Healthcare Interface Solutions in One Package

Diagnostic Medical Devices Interface

ECG Management System Interface

ECG Cardiograph Interface

Cardio-Station Interface

EP Lab/Cardiac Stress Test Interface

Patient Monitor Interface

Holter Monitor Interface

Interfaces with:

AllScripts[™]

Cerner Millennium

Cardiac Science Q-Stress, Q-Tel

Epic Hyperspace EHR

GE Centricity[®]

Meditech, Magic C/S, ITS

McKesson HPF, Paragon, Star Series

Siemens Invision[®], Soarian[®], Openlink[®]

VA Vista, CP

BardEP LabSystem Pro[®]

St.Jude Medical EP Workmate[®]



LINKMED[®]

Virtually Connects/Exchanges Data with Any EMR/EHR/HIS/PACS and Diagnostic Medical Devices
HL7, DICOM, XML, CSV, SQL, GDT, ASTM, X12, ASCII, NVP, User-defined

LINKMED® D for HL7 ADT/Order/Result and Billing is a pre-defined Bi-directional HL7 interface connecting Cardiology System and Diagnostic Medical Devices such as: ECG Management System, Patient Monitors (ECG and Telemetry), Cardio-Stations, EP Lab System and Cardiac-Rehab System to HIS/EMR/EHR/RIS and PACS.

Overview:

LINKMED® D allows HL7 ADT/Orders to be transferred from the HIS/EMR Systems to ECG Cardiographs, Patient Monitors, Cardio-Stations, Cardiac-Rehab Stations or EP Lab Systems automatically, eliminating manual data entry errors in the test studies and reports output.

The interface accepts standard HL7 ADT and Order messages from the HIS/EMR/EHR Systems. The HL7 ADT/Order messages are processed by LINKMED® D interface Engine then make it available as worklist for vendor's system.

Inbound Interface:

LINKMED® D interface allows technicians or nurses to download orders worklist to Cardiographs or download ADT demographics information to devices such as Vital Sign via workstation connecting to LINKMED® D Server using web browser HTTP query or LINKMED® D WebSelect client application. ADT and Orders information can be configured to send to pre-defined "Inbox" or "Station" directories for devices download within the hospital network.

Outbound Interface:

Test Results can be uploaded from Cardiographs and Diagnostic Medical Instruments to LINKMED® D server or to a shared directory folder within the hospital network via LAN, Wireless network or modem where test results await confirmation by a reading physician or by a technician creating the study's reports.

Following physician's over-read and confirmation of the studies or technician completed the test result reports, the confirmed results or completed test result reports are automatically processed by LINKMED® D interface ENgine into HL7 Result (ORU) and/or Billing (DFT) messages for transmitting back to Hospital Information /EMR Systems.

LINKMED® D Features:

- Eliminates manual order entry from the HIS to ECG Cardiographs, Patient Monitors or other Diagnostics Medical Devices
- Convenient Worklist for Technicians and Nurses directly downloaded to their workstation
- Automatically updates patient information upon receiving updated HL7 ADT messages
- Works with both HL7 ADT alone or a combined HL7 ADT and Order messages.
- Converts HL7 messaging format to virtually any other format
- Increases charge capture for Billing.
- For HL7 Billing interface (DFT^P03), LINKMED® D can be configured to send only technical or professional billing messages.
- Provides effective solutions for test orphan test result with "Result Reconciliation" module where users can reconcile their test results to Information sent after the fact.
- HL7 result (ORU) message can be customized to include single or multiple sessions from testing report such as Cardiac-Rehab stress-test reports.
- HL7 result reporting message (ORU) from patient Vital Signs (telemetry) or Patient Monitors can be configured to send automatically to HIS or EMR system on a pre-defined time interval or send when requested through query.

LINKMED® D Specifications:

- Windows® based software for easy installation on any Windows® based System server.
- Compatible with HL7 version 2.1, 2.2, 2.3, 2.3.1, 2.4, 2.4.1 , 2.5, 2.6 (HL7 version 3 ready when available).
- Sending HL7 Result (ORU) and Billing (DFT) message automatically via TCP/IP socket connection.
- Billing messages can be batched and ftp transfer or send real-time via TCP/IP socket connection.
- Cold-feed of studies in TIFF, PDF Images to McKesson HPF, Meditech ITS or other systems.
- HL7 result message (ORU) can be customized for any HIS or EMR system requirements, thus eliminating re-mapping of message by the HIS interface team.
- PDF Reports can be encapsulated in DICOM format for sending to PACS systems

