An Interface Engine In-A-Box

LINKMED®IE HL7 Interface

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 Mellennium

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® IE HL7 Interface
An Interface Engine In-A-Box

LINKMED® IE 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-PACS.

Overview:
LINKMED® IE 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 and Order Worklist from PACS. The HL7 ADT/Order messages are processed by LINKMED® IE interaface Engine then make it available as worklist for vendor's system.

Inbound Interface:
LINKMED® IE 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® IE Server using web browser HTTP query or LINKMED® 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® IE 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® IE Interface Engine into HL7 Result (ORU), Billing (DFT) or Encapsulated PDF DICOM messages for transmitting back to HIS/EMR/EHR/RIS-PACS.

LINKMED® IE Features:
- Eliminates manual order entry from the HIS to ECG Cardiographs, Patient Monitors or other Medical Diagnostic Instruments.
- Convenient Work-list for ECG Technicians to pick patient orders from LINKMED® Select or orders can be sent directly to pre-defined inbox directories.
- Automatically updates patient order information and merge patient orders information upon receiving updated HL7 ADT (ADT^A08 or ADT^A31) message or merge patient ADT message (ADT^A18, ADT^A34 or ADT^A35).
- Works with both HL7 ADT alone or combined HL7 ADT/Order messages.
- Converts HL7 to GDT format and GDT to HL7 (European made Medical Diagnostic Equipments).
- Increases charge capture for Billing.
- For HL7 Billing interface (DFT^P03), LINKMED ADT/ORDER can be configured to send separate technical and professional billing messages.
- Provides effective solutions for test done on the fly with "Result Reconciliation" module so users can reconcile their test results to correct orders.
- HL7 result (ORU) message can be customized to include single or multiple sessions from Cardiac-Rehab stress-test reports.
- HL7 result message (ORU) of patient Vital Signs (telemetry) reports can be configured to send automatically at pre-defined time interval to Vendor's server and the HIS or upon receiving "HL7 Result Query" request from the HIS or EMR Systems.

LINKMED® IE Interface Specifications:
- Windows® based software for easy installation and support.
- Required Windows based Server Operating System PC, Server or VM Server
- Compatible with HL7 version 2.1, 2.2, 2.3, 2.3.1, 2.4, 2.4.1 , 2.5, 2.6 2.7 (HL7 Version 3 ready when available).
- Accepting both HL7 ADT or HL7 ADT and Order messages.
- 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.
- Optional Cold-feed of studies TIFF, PDF Images to McKesson HPF and other systems.

LINKMED®