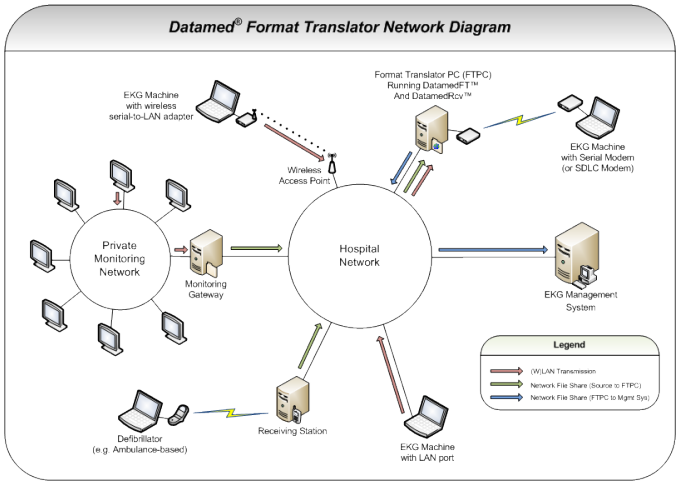
DatamedFT™ Data Sheet

DatamedFT™ v3 is the latest release in a long line of DATAMED® EKG Format Translators. Since 1970, Datamed® devices have bridged the compatibility gap between equipment from various manufacturers. This software converts the ECG data from the format of one manufacturer to the format of another, so that medical facilities can purchase the most appropriate cardiographs, monitors, and ECG management systems from differing manufacturers. DatamedFT allows for purchasing flexibility and extended equipment life. It runs as a service level application on a standalone server, the ECG Management System's host server, or a monitoring gateway as appropriate. The manner of installation, method of connection, and exact configuration largely depend on the vendor and the preference of the customer's IT staff. DatamedFT is an IT application that is user-installed and user-supported with our assistance via email, telephone and/or remote access. Once installed, DatamedFT is a completely transparent middleware interface.

DatamedFT™ receives ECG data from the source acquisition device (cardiograph, bedside monitor, or other device) as data files in that device's native data format. This a file-in file-out conversion. It can be combined with our DatamedRcv™ Receiver Modules to receive the ECG data files over LAN, WAN, serial, or modem connections. It can also be combined with our DatamedSnd™ Transmitter Modules to network transmission after conversion. Each ECG file contains four types of data: patient demographics, measurements, interpretive statements, and waveforms. As the file is converted from the source format to the target host's native format, many fields can be manipulated using optional settings and advanced field mapping. The resulting file is then sent to the ECG Management System. Translated ECGs are generally handled by the host system as if they had originated on their own proprietary devices, and may be stored, recalled, edited, viewed in a multiple ECG series, and printed just as any other ECGs in the host system.

Source devices and management/storage systems from over twenty different manufacturers are supported, and new formats are added on an ongoing basis. For customers who have a variety of cardiographs and other acquisition devices, DatamedFT can be configured to handle any number of available source formats on a single computer.



Typical Network Configuration

Device / System Compatibility

Compatible Source Device Manufacturers
AMEDTEC Medizintechnik Aue GmbH
Baxter / Hillrom (Mortara®, and Welch Allyn®)
BTL
Cardiolex
Cardioline SpA
Comen
corpuls® GS Elektromedizinische
custo med® GmbH
Diagnostica AS (formerly MedIT)
Dräger
EB Neuro SpA (formerly Ates Medica Device)
Edan Instruments, Inc.
Esaote®
Fukuda Denshi
GE® Healthcare
Gem-Med, s.l.
HP (Philips)
LifeWatch® Technologies Ltd.
Mindray®
Nihon Kohden® Corporation
Norav Medical™ Ltd
Ortivus AB
Philips® Healthcare
QRS Diagnostic
SCHILLER AG
SEIVA s.r.o.
Spacelabs Healthcare
Stryker (formerly Physio-Control®)
VectraCor®, Inc.
Verathon® Inc. (Heartscape)
ZOLL® Medical Corporation

Compatible ECG Management/Storage Systems Manufacturers
ACK IT Solutions
Agfa HealthCare Corporation
AMEDTEC Medizintechnik Aue GmbH
Aprima Medical Software
Axis Systems Co., Ltd
Baxter / Hillrom (Epiphany, Welch Allyn®, Mortara®)
Cardiolex
Carestream Health, Inc
Cerner Corporation (Oracle)
Change Healthcare (Optum)
ChipSoft BV
Cordiana Medical Informatics AG
CSAM Kibi Finland Oy
custo med® GmbH
Dedalus Healthcare Denmark (formerly AmPHI Systems, Judex A/S)
Dräger
Esaote®
Fujifilm Medical Systems (VidiStar®)
GE® Healthcare
HD Clinical
Huahai Medical Info-Tech Co
INFINITT Healthcare
Intelerad (formerly LUMEDX Corporation)
MedEx Tech Trade Corp
Medical Micrographics
Medimatic
Neagen Oy
NEXUS Enterprise Diagnostics BV (formerly RVC BV)
Novarad® Corporation
Philips® Healthcare
SCHILLER AG
ScImage®
Sectra Medical
Spacelabs Healthcare – Sentinel®
VISUS Technology Transfer GmbH

See the DatamedFT™ Compatibility List or the DatamedFT™ Service Manual for a full list of all trademarks and their respective owners.

Technical System Requirements

- **Computer.** DatamedFT should be installed on a server with network access to the destination system. Certain system manufacturers specify that the software be installed on the destination system server. The minimum specifications for the computer (normally a VM) at the time of this printing are: 4GB RAM, 40GB HD, and a LAN connection. The following operating systems are supported: Windows® Server 2016, Windows® Server 2019, Windows® Server 2022, and Windows® Server 2025. The .NET 4.8 Framework (or higher) must be installed on this computer. Check the Datamed LLC website for the latest changes to the system requirements.
- **LAN considerations.** This software only reads and writes files. These files may be either local to the server it is installed on, or on remote computers. In most cases the server is separate from the destination system server and DatamedFT will be configured to write output files across the network to the host system. This requires proper file-sharing network permissions to be set up. Also, if there is a firewall on either side of the server then a rule must be set up to allow Windows file-sharing traffic (TCP ports 139 and 445; UDP ports 137 and 138) to pass.

Datamed LLC

Brentwood, TN, USA 37027

US: (800) 601-3361 Int'l: +1 901 672 6225 Fax: (901) 672-6331

sales@datamed.com – support@datamed.com – www.datamed.com