



PRODUCT DATASHEET

Edison™ Datalogue™ Connect

Case Exchange
Multi-Disciplinary Team
Physician Access
Patient Access

More than Image Exchange – Collaboration

Connect the community through patient centric collaboration and advanced care coordination



Introduction

Connect your community through patient centric collaboration and advanced care coordination.

Today's healthcare professionals continue to struggle with the seamless exchange of data, patient images and records and how to collaborate effectively across sites of care.

Designed for healthcare providers, radiologists and multi-disciplinary team members, Edison Datalogue Connect allows the healthcare community to connect through patient centric collaboration and advanced care coordination. Comprised of four essential applications that are interoperable, secure and HIPAA / GDPR compliant, GE Healthcare's Edison Datalogue Connect enables clinical teams to streamline image and patient record sharing, collaborate efficiently on patient cases to provide timely care, improve productivity and operational efficiency, and help provide enhanced patient outcomes.

1. Case Exchange enables peer-to-peer collaboration by sharing and collaborating on images, cases and reports quickly and easily
2. Multi-Disciplinary Team enables care team collaboration through the set-up and running of care team meetings
3. Physician Access enables affiliated and non-affiliated referring physician collaboration by providing referring physicians access to patient images and records quickly and easily
4. Patient Access enables patient collaboration by providing patients access to their images and records

The four applications are intuitive and simple to use, so on-boarding is fast and easy. Let us show you how Edison Datalogue Connect connects the healthcare community through patient centric collaboration and advanced care coordination.

Edison Datalogue Connect is a set of multi-purpose, secure, patient data collaboration applications designed to support clinicians and other healthcare professionals through timely bi-directional discussions required when sensitive patient data is being considered. The applications; Case Exchange, Multi-Disciplinary Team (MDT) Meeting, Patient Access and Physician Access are all supported by the inclusion of embedded DICOM and Non-DICOM viewers to support the patient centric workflows needed to deliver timely care.

These applications enable co-located and distributed care teams to more efficiently and comprehensively collaborate on patient cases. This helps reduce handling costs² for foreign studies, and time spent preparing for multi-disciplinary meetings¹. At the same time the applications help increase patient referral ease and support patient engagement by being able to share clinical data and images directly with patients.

The Edison Datalogue Connect platform was built and designed to serve various customer deployment models. The platform is highly flexible and can be deployed in a variety of ways, accessed as either a SaaS solution (cloud vendor agnostic) or on-premise solution deployed locally. Both deployment models ensure a secure and scalable environment.

Discover how easy it is to support your staff by connecting the community with the collaboration and advanced care coordination applications by GE Healthcare.



Key Benefits

Edison Datalogue Connect Applications:

Secure and vendor neutral

Dynamically share and collaborate on sensitive patient data such as imaging, notes and reports across the clinical community

Enable diverse care use cases like care team coordination, patient referrals and secure communication with unaffiliated partners

Standardize collaborative workflows across your healthcare organization – internal and from referral sites

Vendor agnostic integration – upload, distribute and download images and data from any DICOM device or CD/USB type media

Active directory integration for Single Sign On username and password experience

Audit trail and control functionality

Modality worklist integration for patient study reconciliation to ensure proper filing of foreign studies

User and content management configuration settings allow management of groups, connections and user preferences

Compatible zero footprint DICOM and non-DICOM viewer to view shared content online

Edison Datalogue Connect Platform:

Near zero/zero downtime upgrades

Benefits of devops and monitored service (with SaaS deployment models)

Automatic update for server patches

Hosting partner neutral

Security and privacy controls built on industry standard practices including SSL encryption, provide your own security, or use hosting partners' Business Associate Agreements (BAAs)



Application Overview



CASE EXCHANGE

Peer-to-peer collaboration

Share and collaborate on images, cases and reports quickly and easily

- Dynamically share and collaborate on patient images and data
- Facilitate integrated workflows and PACs 3D visualization tools to share images
- Secure, standards-based foreign study management
- Automated upload and download of DICOM imaging based on user defined conditions with supported routing
- Easily view, reply to, forward or download patient cases from your browser
- Enable better collaboration across clinical teams – significantly decrease repeat imaging by making the process of accessing prior studies easier for physicians¹
- Help improve turnaround time on reports, decreasing foreign study handling costs¹



MULTI DISCIPLINARY TEAM

Set-up and run care team meetings

- Set-up, schedule and run multi-disciplinary care teams
- Centralized, easy-to-navigate case lists with connectivity to your organization's PACS, EA or VNA
- Summarize meeting outcomes and notes for efficient follow up with the referring clinician
- Easily confer in physician-clinician caregiving boards, educational sessions, or other multi-disciplinary and care team meetings
- Reduce time spent by radiologists, cardiologists, pathologists, clinicians and nurses preparing cases to be presented in the meetings by providing a simple online workflow for preparation. Radiologists spend one hour preparing for every hour they spend in MDT meetings. Assuming two 2-hour MDTs per week, that represents over 26 days of their time spent on meeting preparation²
- Ensure preparation work which is completed is visible to the entire care team online, as soon as it's available
- Allow radiologists and healthcare providers at disparate or remote locations to view patient anatomy as a 3D image and provide access to interactive tools such as luminosity adjustment, zoom and rotation





PHYSICIAN ACCESS

Referring physician collaboration

Provide referring physicians access to patient images and records

- Clinicians and IDNs can offer referring physicians
- Access to patient results
 - Web Viewing and download option
 - Ingest studies and complete patient medical records
- Expedited access to information
- Privacy control via access authorization and revocation



PATIENT ACCESS

Patient Collaboration

Provide patients access to their images and records

Enables patients to become involved in their care pathway by giving them access to their images and report(s) via a user friendly and secure web portal with access code login

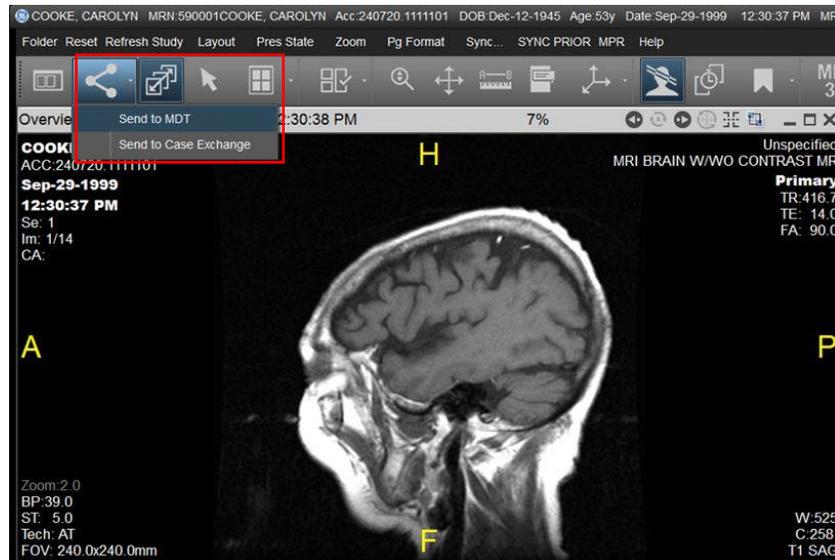
- Provide a better experience by saving them the time and effort required to collect imaging and record data
- Images and reports are web accessible, can be viewed on a PC or downloaded from the web
- Patients can easily grant access to other health care professionals to obtain a second opinion
- Patients have simple and easy access to longitudinal imaging record
 - Download capabilities
 - Control of access rights



INTEROPERABILITY:

Interoperability between GE Healthcare Centricity™ Universal Viewer (UV) and Universal Viewer Zero Footprint (ZFP) viewers

- Allows the user to send images and data directly to the Case Exchange and MDT applications from the native viewer without leaving the workflow
- Simplifies workflow efficiency and promotes collaboration by keeping clinicians in the viewers they are used to using



Configure the tool bar to display the share icon

Share studies directly to Case Exchange and the MDT applications

Add studies to existing patient cases within Case Exchange or the MDT application

Local cloud deployment specifications (CapEx deployment only)

High Level VM Specification for Local Cloud

Number of applications VMs	7
Total number of cores	38 vCPU* (2.2 GHz)
Memory	74 GB (combined)
Storage	1805 GB (combined)
Operating system	Linux® and Windows®
Database	MSSQL and PostgreSQL

*For practical CPU considerations, use 3 to 1 ratio of Virtual to Physical cores.



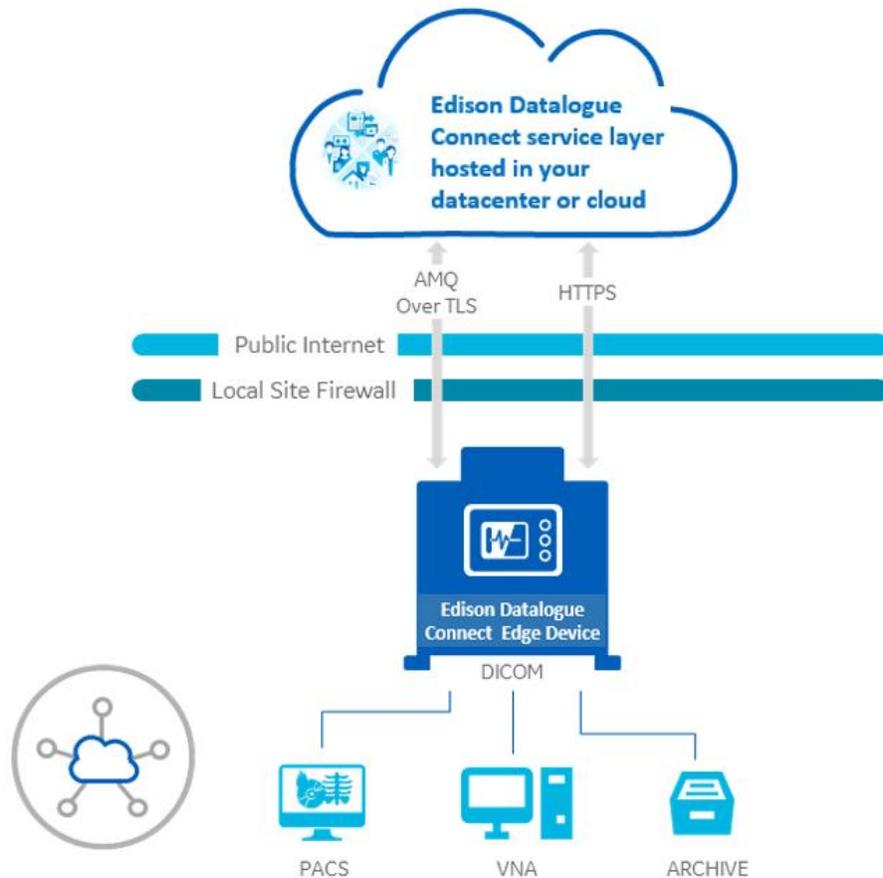
EDGE device deployment specifications

VM Specification for Local Edge Device

Number of cores	8 vCPU* (2.2 GHz)
Memory	16 GB
Storage	> 40 GB for OS > 100 GB for storage > 100 GB for database
Operating system	Linux®

*For practical CPU considerations, use 3 to 1 ratio of Virtual to Physical cores.

Edge device deployment



Network Requirements	5 – 10 MBPS of bandwidth per user for optimal performance	
UV ZFP Devices support (integrated DICOM viewer)	PC or Mac® <ul style="list-style-type: none"> Operating System: Windows, Mac OS X 10.7.5 or later Memory: 1024 MB for Internet Explorer® 9,512 MB for other browsers Compute Power: 1 core or higher Display: 1024 x 768 or higher 	
Browsers supported	<ul style="list-style-type: none"> Google Chrome® Note: CD upload by Chrome limited to 5GB per transaction 	<ul style="list-style-type: none"> Internet Explorer® 11
Supported data type	Transfer and View in DICOM or Non-DICOM viewer <ul style="list-style-type: none"> DICOM Non-DICOM (supported file formats – PDF, CDA, CSV, RTF, TIFF, TIF, TXT, BMP, MS-Word doc/docx, Excel xls/xlsx, PowerPoint ppt/pptx, DCM, JPG and JPEG) Transfer Only <ul style="list-style-type: none"> XML, CZI Audio and Visual files (supported file formats – AVI, WAV, WMA, MOV, MPG, MP3 and MP4) Additional file MIMEs can be configured per customer's request Up to 5GB file size per transaction 	
Security and Privacy	<ul style="list-style-type: none"> NIST 800-53 controls for privacy and security risks to support compliance with the requirements of the HIPAA (Health Insurance Portability and Accountability) Privacy and Security Rules Audit trails tracking for up to six years Secure communication through TLS protocols 	<ul style="list-style-type: none"> ATNA compliant auditing service Secure relational database with File System Encryption WSO2 Identity server for user identify management and authentication
Languages Supported	<ul style="list-style-type: none"> English French Spanish 	<ul style="list-style-type: none"> Italian German Japanese
Licensing Models	<ul style="list-style-type: none"> OPEX – Organizations pay a monthly subscription fee based on their case volume consumption. No limit on number of users 	<ul style="list-style-type: none"> CAPEX – Purchase and host in your datacenter or private cloud. No limit on number of users
GE Healthcare Viewer integrations	Universal Viewer <ul style="list-style-type: none"> Send DICOM images from UV to Case Exchange and MDT applications Launch on-premise UV from Case Exchange and MDT to display DICOM imaging Version supported: UV SP10.1 NOTE: UV launch requires the viewer to be installed on a local machine connected to DICOM store where image is stored	UV Zero Footprint (ZFP) <ul style="list-style-type: none"> Send DICOM images from UV ZFP to Case Exchange and MDT applications Version supported: UV ZFP SP10.2



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¹ <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4730956/pdf/nihms752025.pdf>

² <https://bmcmmedicine.biomedcentral.com/articles/10.1186/1741-7015-5-15>

