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1	<b>EPIQ 7 GI System</b>	1
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**EPIQ 7 GI Ultrasound System**

EPIQ 7 is a new direction for premium ultrasound featuring an uncompromised level of clinical performance to meet the challenges of today's most demanding practices– the most powerful architecture ever applied to ultrasound imaging – touching all aspects of acoustic acquisition and processing allowing you to truly experience Ultrasound's evolution to a more definitive modality. Supported by our family of proprietary xMATRIX transducers and our leading edge of Anatomical Intelligence, this platform offers our highest level of premium performance.

Reinvention of the premium ultrasound user experience

- New tablet like interface revolutionizes how you interact with the system resulting in dramatic reduction of exam reach and exam steps. (15% reduction in total steps, 40% to 80% reduction in long reaches)
- Lightest premium system in its class (210 pounds) – 45% lighter than the heaviest competitive premium system.
- Large 21-inch high definition LCD display for easy viewing in virtually any environment
- Infinite articulation of control panel and monitor allows for perfect alignment whether sitting or standing (720 degrees of freedom) to scan ergonomically
- Almost silent when running (37-41bD) – equivalent to the sound of a library
- 4 transducer ports
- Ambient lighting of transducer connectors and the peripheral housing bay
- Integrated footrest
- Integrated storage shelves
- 4 wheel swivel and swivel/brake lock control

The most powerful architecture ever applied to ultrasound imaging

- Proprietary nSight architecture - a totally new way to form ultrasound images – all without compromise.

The combination of a new precision beamformer and massive parallel processing allow EPIQ 7 to receive and process an enormous amount of acoustic data allowing the system to focus down to the pixel level...all in real time.

- Up to 7,071,744 total digital channels (xMATRIX configuration)
- Up to 4,718,592 total digital channels (non xMATRIX configuration)
- Exclusive adaptive signal to noise ratio that achieves system dynamic range of up to 192 dB for improved 2D
- Sixteen core processing computer with 1 Tbyte hard drive and 4 GByte graphics display

- Philips Next Generation SonoCT Real-time Compounding, with widescreen capability and up to 9 beam-steered lines of sight that acquires more information and reduces angle-generated artifacts
- Philips next generation XRES Adaptive Image Processing for noise and artifact reduction to improve tissue and border definition
- Fully independent, multiple mode Triplex operation

## **Transducers**

Advanced MicroConnector technology offers pinless design for exceptional reliability and performance that feature:

- Ergonomic designs with lightweight flexible cables
- New low-loss technology for better penetration with fewer artifacts
- Breakthrough frequency bandwidths and array configurations

Supports array configurations up to 20 MHz – sector, linear, curved, tightly curved, TEE and volume transducers (mechanical and xMATRIX)

## **Automation**

Designed with our most innovative tools to maximize efficiency

- Autoscan (real time iSCAN) automatically optimizes gain and TCG continuously to assure you are achieving an optimal image in 2D, 3D and 4D.
- SmartExam system-guided protocols with new features that include exam record and automatic mode switching to greatly improve workflow efficiencies
- Vascular Auto Doppler flow optimization automatically adjusts color box position and angle, automatically adjust sample volume placement and angle. Also includes Auto Flow Tracking for automatic angle correction with sample volume movements
- Vascular High-Q Automatic Doppler provides real-time tracking of Doppler signal, automatically selecting the highest peak velocity and with the touch of a button, adding measurements to your report.
- Intelligent Tissue Specific Imaging
- Application-specific and user definable Quicktext Automatic Annotation
- QuickSAVE User Defined Programs (up to 45 per transducer) Data
- Multi Modality Query Retrieve (Allows for the viewing of DICOM CT, Mammography, NM, MRI and ultrasound images – you can review these images while you are live imaging)
- NetLink/DICOM 3.0 provides network print and store, commit, modality worklist, DICOM Query and Retrieve, and structured reporting for adult and pediatric echo, vascular, and OB/GYN
- DICOM 3.0 Print and Store capability to internal drive or DVD/CD
- Integrated Wireless DICOM with WEP security
- On-board workstation-class data management with thumbnail previews and storage of images, loops, and reports
- Retrospective and prospective clip capture to internal drive or removable media
- Integrated DVD/CD burning capability for storage of DICOM images or export in JPEG and .avi for PC compatibility
- Ability to send X,Y & Z volume MPR's to most PACS
- Ability to export QLAB native data

## **Other Core Features**

- 2D Panoramic
- Color Power Angio
- Tissue Harmonics and Pulse Inversion Harmonic Imaging
- Basic 3D Imaging capability with MPR visualization feature
- 2D, M-Mode, Anatomic M-mode, Color Flow Doppler, Pulsed Wave Doppler (PW), High PRF PW, Continuous Wave Doppler
- Cineloop Image, M-mode and Doppler Review
- High Definition Write Zoom and Read Zoom with pan features
- Chroma Imaging
- Measurement tools including: distance, depth, area, and circumference
- Volume Flow Measurements
- Tissue Doppler Imaging
- LVO contrast
- Stress Echo Protocol

#### Power Battery Pack

Highly recommended for portable ultrasound studies. Allows system to be place in sleep mode and booted up in 20 seconds. Allows activation of the smart handle when not plugged in to central power.

#### Clinical Education

**EpiQ (GI) Clinical Education;** \*\*\*2 days of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours), an E-Learning subscription; Basic System Training course for two people (expires 180 days after install) and a \*1 Day offsite Advanced Customer Training course for one (expires 180 days after install). All offsite training includes travel, see travel disclaimer\*\*

\*Must be used consecutively with other offsite advanced customer training tuitions associated with the same system, if purchased with other options that include offsite advanced customer training; offsite advanced customer training will be limited to a maximum of 2 consecutive days.

\*\*TRAVEL Disclaimer: Travel & Accommodations for registered attendees. Each tuition includes one (1) participant's airfare from a North American customer location to a Philips North America Ultrasound Clinical Education training location with modest lodging, ground transportation and meal expenses for the course duration. Breakfast/dinner are provided by the hotel and lunch/breaks are catered by Philips Healthcare. All other expenses will be the responsibility of the attendee (ie. Baggage fees, meals while traveling, transportation to and from customer's home airport). Details are provided during the scheduling process. Note: 21 day Cancellation/Rescheduling policy is strictly enforced.

\*\*\*Note: Philips Healthcare personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation. The training sessions should be attended by the appropriate healthcare professional as identified by the department director. Repeat training for staff non-attendance will not be accepted. Site must be patient-ready to meet training expectations.

**C5-1 Transducer**

PureWave curved array transducer with 5 to 1 MHz extended operating frequency range.  
C5-1 PureWave Curved Array for high performance OB/GYN, Abdominal and Interventional applications.  
Now, one transducer provides exceptional clinical performance for a wide range of patient types including obese and technically challenging patients.

**C10-3v Transducer Compact**

PureWave Curved array transducer with 3 to 10 MHz operating frequency range, end fire sector, 11.5 radius at curvature, 130 degree field of view for endovaginal applications.

**C9-2 Transducer Compact**

PureWave curved array transducer with 9 to 2 MHz extended operating frequency range.  
C9-2 PureWave Curved Array for high performance OB/GYN and Abdominal. Now, one transducer provides exceptional clinical performance for a wide range of patient types including technically challenging patients.

**3** **EPIQ 7 Small Parts Transducer Bundle** **1**

**L12-5 Transducer Compact**

Fine pitch, 256 elements; high resolution linear array transducer with 12 to 5 MHz extended operating frequency range for high resolution superficial applications, including small parts, breast, vascular and musculoskeletal imaging.

**L18-5 Transducer Compact**

Ultra-fine pitch, 288 elements, high resolution linear array transducer with 18 to 5 MHz extended operating frequency range for high resolution superficial applications, including small parts, breast, superficial vascular and musculoskeletal imaging.

**4** **Radiology Clinical Package** **1**

Includes the following:

- Abdominal Clinical Option
- Gynecology Clinical Option
- Vascular Clinical Option
- Pediatric Clinical Option
- Pediatric Echocardiography Option
- Small Parts Clinical Option
- Musculoskeletal Clinical Option
- Obstetrical Clinical Option
- Fetal Echocardiography Option
- Urology Clinical Option
- TCD Clinical Option
- Interventional Clinical Option

**5** **Panoramic 3D** **1**

Utilizes live xPlane imaging to acquire a calibrated volume over an extended field of view. This enables whole organ acquisition, visualization and quantification of unparalleled views of anatomical structures. With this feature you can capture, visualize and quantify a full organ (liver, pancreas), a full uterus or a full fetus in 3D panoramic volume. Requires X6-1 xMATRIX transducer.

**6** **Footswitch** **1**

Footswitch provides the ability to freeze, acquire and print.

7	<b>General Imaging 3D Quantification Q-App (GI 3DQ)</b>	1
	General Imaging 3D Quantification Q-App (GI 3DQ): 3D tools that support the viewing and quantification of 3D data sets. The GI 3DQ app allows you to view, crop, rotate, access and use all vision controls, and perform everyday measurements on 3D ultrasound data sets.	
8	<b>X6-1 Transducer Compact</b>	1
	PureWave xMATRIX transducer with 6-1 MHz extended operating frequencies for abdominal and OB applications. Unique high density array of over 9200 fully sampled elements allows 2D, xPlane and Live volume images.	
9	<b>L12-3 Transducer</b>	1
	Linear array transducer with 12 to 3 MHz extended operating frequency range for vascular. Can also be used for musculoskeletal, pediatric radiology, small parts applications.	
10	<b>L15-7io Transducer Compact</b>	1
	Compact high resolution linear array transducer with 15 to 7 MHz extended operating frequency range for intraoperative vascular imaging. Also supports high-resolution superficial venous and arterial studies.	
11	<b>Strain Elastography and Elast PQ Package</b>	1
	This package offers both elastography (strain Elastography) for breast and uterine and high frequency applications (Thyroid, MSK) and Elast PQ Shear Wave point quantification elastography for the liver.	
12	<b>English Manual</b>	1
	Operation Manual	
13	<b>1st SVC Manual for Gov</b>	1
14	<b>xMATRIX xPlane and Live 3D</b>	1
	<b>xMATRIX xPlane and Live 3D</b> Provides a combination of functionality when using xMATRIX transducers in both 2D and Live 3D modes.	
	iRotate: ability to electronically rotate the 2D imaging plane without rotating the transducer. iRotate can be used in 2D and color flow. Can also be incorporated into 2D Stress Echo protocols to minimize acquisition times and improve reproducibility of images at different stages (X5-1 and X7-2t only).	
	Live xPLANE: ability to image and acquire 2 orthogonal 2D images. The orthogonal plane can be tilted in the lateral or elevation plane as well as be rotated. Works in 2D and in color flow (all xMATRIX transducers).	
	Live 3D: ability to perform real time Live 3D (dynamic 3D) allowing assessment of structures and its relationship within the anatomy, in greyscale and color Doppler. Zoom functionality optimized for detailed Live 3D imaging of specific anatomic structures. (all xMATRIX transducers). Live 3D Full Volumes: ability to capture a large volume in Live 3D. Designed to encompass the entire heart. Can be performed in greyscale or with color Doppler. Multiple acquisition modes available, from 1 to 6 beats cardiac cycles.(X5-1 and X7-2t only).	

## Clinical Education

**If you are purchasing Live 3D with a New System you will receive;** \*1 Day Offsite Advanced customer training course for one (expires 180 days after install), a 3 Day Offsite University (expires 275 days after install), A Post University Integration Onsite class (expires 365 days after install), and one subscription to E-Echocardiography.com (must be activated within 90 days of code notification). All offsite training includes travel, see travel disclaimer\*\*

**If you are purchasing Live 3D as an upgrade you will receive;** \*\*\*1 day of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours) and a \*1 Day Offsite Advanced customer training course for one (expires 180 days after install). All offsite training includes travel, see travel disclaimer\*\*

\*If purchased with 2D Quantification Bundle, offsite advanced customer training tuition must be use consecutively.

\*\*TRAVEL Disclaimer: Travel & Accommodations for registered attendees. Each tuition includes one (1) participant's airfare from a North American customer location to a Philips North America Ultrasound Clinical Education training location with modest lodging, ground transportation and meal expenses for the course duration. Breakfast/dinner are provided by the hotel and lunch/breaks are catered by Philips Healthcare. All other expenses will be the responsibility of the attendee (ie. Baggage fees, meals while traveling, transportation to and from customer's home airport). Details are provided during the scheduling process. Note: 21 day Cancellation/Rescheduling policy is strictly enforced.

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### Uptime Guarantee EPIQ

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Philips Medical Systems

#### Uptime Guarantee Exhibit (for EPIQ ultrasound systems only)

Philips agrees to provide to Customer a 98% uptime guarantee during the warranty period on the EPIQ ultrasound systems specified below. Equipment subject to this uptime guarantee includes only the EPIQ ultrasound systems identified below and does not include peripheral equipment such as external printers, archiving devices or external display monitors.

Uptime is defined as the ability to use the EPIQ ultrasound system to perform or complete an ultrasound diagnostic examination. The EPIQ ultrasound system shall not be considered down if it is used for diagnostic purposes after contacting the Philips Customer Service Center. For purposes of this guarantee, a working hour of downtime is defined as a 60-minute period occurring between 8 am and 5 pm, Monday through Friday, excluding Philips observed holidays in which the EPIQ ultrasound system is unable to be used to perform or complete an ultrasound diagnostic examination. Downtime is calculated from the time the Philips Customer Service Center is notified.

Uptime Percentage is determined by dividing the Uptime Hours by the Base Hours, and multiplying the result by 100. [Uptime Percentage = (Uptime Hours/Base Hours) x 100]

Base Hours is the total number of hours in the warranty period (9 hours per day x 5 days x 52 weeks = 2340 hours).

Uptime Hours is the total number of hours in the warranty period in which the EPIQ ultrasound system is able to be used perform or complete an ultrasound diagnostic examination (i.e., Base Hours minus downtime hours).

The warranty period shall be extended for 12 weeks if the Uptime Percentage is less than the Minimum Percent Uptime. The customer must claim this extension no later than 60 days after the end of the warranty period. To claim the extension, send a copy of the Call Completion Customer Receipts, generated at the time of the service call, to the Contract Administration department, 22100 Bothell Everett Hwy, MS 665, Bothell, WA 98021.

EPIQ ultrasound systems specified:

Minimum Percent Uptime	98%
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Measurement Period	Annual
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(9 hours per day x 5 days x 52 weeks = 2340 hours)

Philips' sole obligations and Customer's exclusive remedy under this uptime guarantee is an extension of the warranty period for 12 weeks.

This uptime guarantee is subject to the following conditions: the EPIQ ultrasound system (a) is to be installed by authorized Philips representatives (or is to be installed in accordance with all Philips installation instructions by personnel trained by Philips), (b) is to be operated exclusively by duly qualified personnel in a safe and reasonable manner in accordance with Philips' written instructions and for the purpose for which the product was intended, (c) is to be maintained in strict compliance with all recommended and scheduled maintenance instructions provided with the product. Philips' obligations under this uptime guarantee do not apply if downtime results from any of the following: (a) improper or inadequate maintenance or calibration by the Customer or its agents; (b) Customer or third party supplied interfaces, supplies, or software; (c) use or operation of the product other than in accordance with Philips' applicable product specifications and written instructions; (d) abuse, negligence, accident, loss, or damage; (e) improper site preparation; (f) unauthorized maintenance or modifications to the product; or (g) viruses or similar software interference resulting from connection of the product to a network.