

Line #	Part #	Description	Qty
1	**	<b>Epiq 7G System</b>	1

#### **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 (230 pounds) – 40% 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

### **EPIQ 7 DVD Option**

#### **S Video**

Provides analog video signal output to compatible s-video devices.

#### **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.

All Tuitions must be registered prior to the expiration date. The course chosen must be taken within 90 days of expiration.

Includes the following:

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

3	**	<b>SafeGuard</b>	1
This is a standard computer administration tool used to prevent unauthorized programs (malware) from running on the ultrasound system.			
4	**	<b>Government Security</b>	1
Required by all DoD customers. This option disables VNC capabilities (which if enabled would provide remote desktop support) for increased security of data.			
5	**	<b>Battery Std Life Package</b>	1
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.			
6	**	<b>Intima Media Thickness Q-App (IMT)</b>	1
Provides automated measurements of intima media thickness in carotids and other superficial vessels, and eliminates the need to manually position cursors, minimizing the time needed to complete an IMT study.			
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>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.			
9	**	<b>L12-5 Transducer Compact</b>	1
Fine pitch, 256 element, 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.			
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>C5-1 Transducer</b>	1

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

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

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.

Shear Wave point quantification elastography utilizes the C5-1 transducer to conduct a virtual biopsy. At the touch of a button clinicians can acquire absolute liver stiffness data using a unique series of ultrasound pulses. This data helps clinicians assess early fibrotic changes, including much more information than can be obtained in a single tissue sample. Shear Wave ultrasound elastography offers the opportunity to avoid the complications of a biopsy and assess liver status non-invasively in combination with simple blood work.

If you are purchasing Elast PQ with a New Epiq System you will receive a 1 Day offsite University (expires 275 days after install)\*\*\* and A Post University Integration onsite class (expires 365 days after install)

If you are purchasing Elast PQ with an Upgrade you will receive a 1 day of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours), 1 Day offsite University (expires 275 days after install)\*\*\* and a Post University Integration onsite class (expires 365 days after install).

**\*\*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.**

15	**	<b>Internal B&amp;W Printer</b>	<b>1</b>
		Internally mounted and remote controlled, medical grade high resolution black and white thermal printer for image documentation.	
16	**	<b>1st SVC Manual for Gov</b>	<b>1</b>
17	**	<b>Training Note</b>	<b>1</b>
		<b><u>**Training Note:</u></b> Philips will provide clinical education at the customer's facility in lieu of the quoted off-site clinical education, at the customer's request.. At the customer's request, Philips Training personnel will travel to the customer's equipment site to perform the Clinical Training.	
18		<b>Trade in Allowance</b>	<b>1</b>
		Customer represents and warrants that (i) Customer has, and shall have when title passes, good and marketable title to the equipment being traded in and (ii) has the authority to effect such trade in.	
		Product: 100600.000 iU22 Ultrasound System	
		Serial Number: 02XJY8	
		Manufacturer: PHILIPS HEALTHCARE	