

The Universal Transducer Adapter for Biomedical Research

Verasonics' Universal Transducer Adapter (UTA) enables a Vantage user to quickly convert the system to operate transducers with other types of connectors. In addition to adapters for the standard single and dual 260-pin connectors, there are UTA adapters for 360-pin connectors and 408-contact transducers plus new adapters for Hypertronics and single channel LEMO connectors.

Changing from one UTA to another is simple. It requires shutting down the system, loosening 4 screws by hand, removing the UTA, attaching the new UTA, retightening the screws and re-booting the system – this can be accomplished in just a few minutes.

One UTA adapter is included with every Vantage system purchase. Additional adapters are available. Older Vantage systems can be upgraded to the UTA technology.

- Enables use of high-performance, low noise connectors
- Allows for transducers up to 256 elements without a multiplexer
- Provides additional signal paths for probes requiring additional grounding, power supply, digital control signals, etc.
- Retains compatibility with Verasonics transducers and HDI transducer made by ATL Ultrasound
- Simple and fast to change with system re-boot
- All Vantage systems can be upgraded to the UTA



The UTA can be changed in about one minute — no tools required

UTA Compatibility by Vantage System

Adapter Name	Vantage 32LE™	Vantage 64™	Vantage 64LE™	Vantage 128™	Vantage 256™
UTA 260-D			✓	✓	✓
UTA 260-S			✓	✓	
UTA 360					✓ ¹
UTA 408				✓	✓
UTA 408-GE			✓ ²	✓ ²	✓ ²
UTA 128 LEMO			✓	✓	✓
UTA 156-U			✓ ³	✓ ³	✓ ³
UTA 256 Direct			✓	✓	✓
UTA 260-Mux	✓	✓			
UTA 1124-Mux					✓

✓ Purchasable configuration or option. All Vantage systems can be reconfigured or upgraded to additional options.

* Provides support for selected probes from VisualSonics¹, GE² and Ultrasonix³

Visualsonics is a registered trademark owned by Fujifilm Sonosite, Inc.

GE is a registered trademark owned by General Electric Company

Ultrasonix is a registered trademark owned by Analogic Corporation



UTA 260

The **UTA 260-D** has two 260-pin connectors and is available on the Vantage 256. Each connector provides signals for 128 channels.

The **UTA 260-S** has a single 260-pin connector and is available on the Vantage 128 and Vantage 64 LE.

These adapters provide compatibility with all Verasonics transducers and most refurbished HDI transducers manufactured by ATL Ultrasound.



UTA 360

The **UTA 360** is available on the Vantage 256 and provides compatibility with the MS-series of transducers from VisualSonics. These high frequency transducers have 256 elements, which are directly connected to the 256 channels through this adapter.



UTA 408

The **UTA 408** is available on the Vantage 256 and allows direct connectivity for transducers with up to 256 elements without a multiplexer. The additional contacts provide grounding, digital signal control paths, and more.

The **UTA 408-GE** supports selected probes from General Electric and is available on the Vantage 256, Vantage 128 and Vantage 64 LE.



UTA 128 LEMO

With up to 128 connectors for single element transducers, the **UTA 128 LEMO** and the **UTA 64 LEMO** adapters enable evaluation of new transducers and interrogation of complex structures. 2 LEMO to BNC adapters are included.



UTA 156-U

For users of Ultrasonix transducers the **UTA 156-U** provides compatibility between Vantage systems and selected Sonix transducers.



UTA 256 Direct

This adapter is a simple and low-cost method to directly connect transducers with up to 256 elements to a Vantage system without the use of a multiplexer. Requires soldering micro-coax wires to termination boards.



UTA 260-MUX

The new Vantage 32 LE system and the Vantage 64 system can operate standard Verasonics transducers with up to 128 elements when the **UTA 260-MUX** is used.



UTA 1024-MUX

For research in 3D and volume acquisition techniques, the new **UTA 1024-MUX** adapter provides support to operate matrix array transducers with up to 1024 elements. Transducers are available from Vermon and other leading transducer manufacturers.

