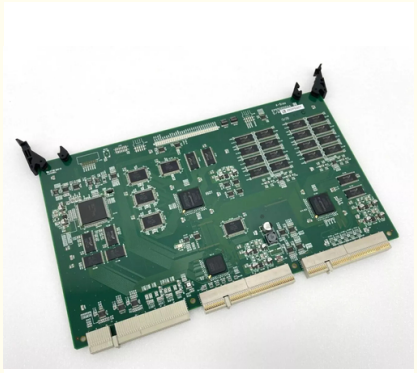
Hitachi Aloka Alpha 6 Original DOM Board EP550000

Our Product Introduction

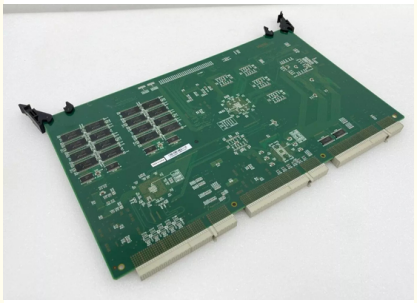
Basic Information

- Place of Origin: Japan
- Brand Name: Hitachi Aloka
- Model Number: EP550000
- Minimum Order Quantity: 1pc
- Price: negotiable
- Packaging Details: carton
- Delivery Time: 3-5 days
- Payment Terms: T/T, Western Union
- Supply Ability: 10-30pcs/month

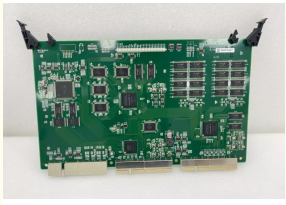


Product Specification

- Warranty: 60 Days
- Lead Time: 3-5 Working Days
- Service: Outright/Exchange
- Shipping Method: Express,or As Clients Required
- Highlight: **Original DOM board EP550000**, **Hitachi Aloka Alpha 6 DOM board**



More Images



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Our Product Introduction

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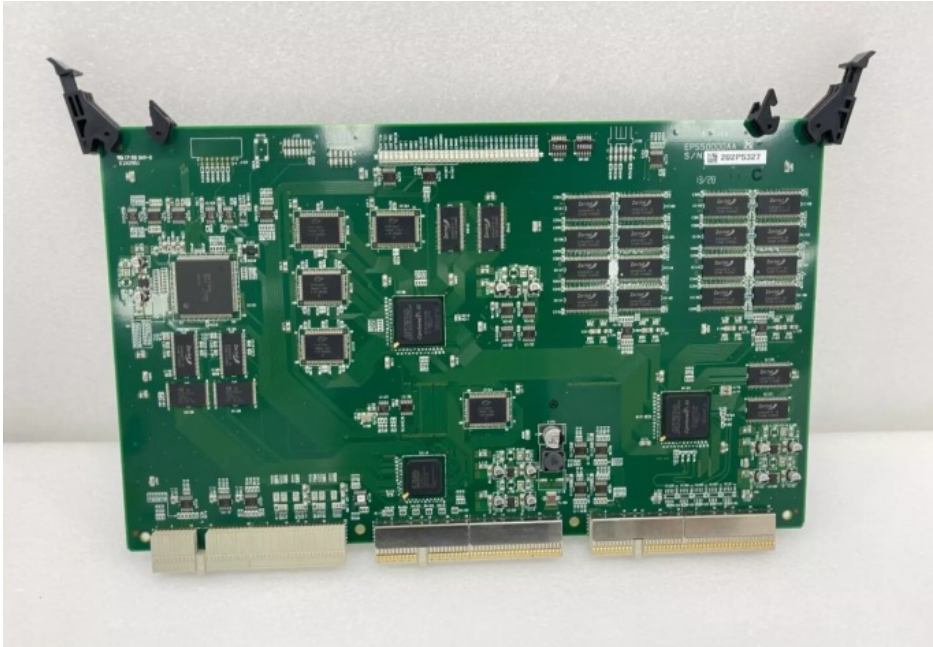
Product Description

Hitachi Aloka Alpha 6 original DOM board EP550000

1. Part number: EP550000
2. Type: DOM board
3. Trade term: Outright&exchange&repair service are provided.
4. Warranty: 60 days
5. 3-5 working days to delivery



Welcome to contact for more details!

Hitachi ARIETTA V60 Ultrasound System: Superior Imaging Performance for Advanced Ultrasound.

The Hitachi ARIETTA V60 ultrasound system represents a pinnacle in ultrasound technology, delivering exceptional performance with a commitment to producing the highest quality "sound" for medical imaging. By leveraging clearly defined technologies, this system excels at capturing even the subtlest of changes, guiding healthcare professionals towards rapid and accurate diagnoses.

One of the key advancements in the ARIETTA V60 is the **innovative design of its piezoelectric elements**. Hitachi employs original technology to layer these elements, optimizing the transmission and reception of ultrasound pulses with minimal energy loss. This enhancement significantly boosts both the sensitivity and clarity of the resulting images, ensuring detailed and accurate representations of the scanned tissues.

To further enhance image quality, the ARIETTA V60 integrates **components within the probe connector to suppress noise**, thereby **improving the signal-to-noise ratio (S/N)**. This suppression of noise artifacts ensures that the acquired images maintain high fidelity and clarity, facilitating precise diagnostics.

The system also features the **Compound Pulse Wave Generator (CPWG+)**, which generates efficient transmission waveforms. These waveforms contribute to high sensitivity and resolution, allowing for detailed visualization of anatomical structures and pathological conditions.

Moreover, the ARIETTA V60 employs pixel-level focusing to increase precision and provide clear delineation of the region of interest. This advanced focusing capability ensures that clinicians can accurately identify and evaluate specific areas within the ultrasound images, aiding in diagnostic interpretation.

Behind its impressive imaging capabilities lies a fully software-oriented, high-speed computing system. This backend

processing power enables robust image processing algorithms that deliver images with outstanding clarity and detail. Healthcare professionals can rely on the ARIETTA V60 to provide diagnostic images of exceptional quality, supporting confident decision-making in clinical practice.

Furthermore, the system features an **IPS-Pro monitor with a high contrast ratio** and wide viewing angle. This monitor ensures a rich representation of the displayed image, allowing clinicians to visualize ultrasound findings with exceptional clarity and detail, further enhancing the diagnostic process.

The console layout of the Hitachi ARIETTA V60 ultrasound system is meticulously designed to offer intuitively smooth operation, prioritizing user comfort and efficiency. Positioned centrally within the console is a large palm rest, strategically placed to provide optimal wrist support during operation. This thoughtful design element ensures that clinicians can maintain comfort and stability throughout extended scanning sessions, promoting ergonomic practices and reducing fatigue.

Furthermore, the ARIETTA V60 system incorporates real-time optimization features to enhance imaging capabilities and streamline workflow. In B-mode, users can effortlessly adjust image brightness to their preference with a single button press, ensuring optimal visualization of anatomical structures. Additionally, the system automatically corrects the speed of sound for different tissue densities, resulting in sharper focus and improved image clarity across all areas of interest.

In Doppler mode, the ARIETTA V60 offers instant optimization of velocity range and baseline position with a single keystroke. This functionality allows users to **quickly and easily fine-tune Doppler settings**, facilitating efficient examination of blood flow dynamics and enabling accurate assessment of vascular conditions. By simplifying and automating optimization processes, the ARIETTA V60 empowers clinicians to focus more on diagnostic interpretation and patient care, enhancing overall workflow efficiency and diagnostic accuracy.

The Hitachi ARIETTA V60 ultrasound system features specialized intraoperative transducers designed to enhance surgical imaging and decision-making. The Intraoperative Convex Transducer (T-type) is uniquely shaped to fit between the fingers, providing stability during scanning. Combined with advanced imaging technologies such as Contrast Harmonic Imaging (CHI) and Real-Time Elastography (RTE), it delivers high-definition B-mode and high-sensitivity Color Flow Doppler images. This transducer offers detailed anatomical information crucial for selecting optimal surgical techniques, ensuring precision and efficacy during procedures.

Similarly, the Intraoperative Linear Transducer (T-type) boasts a T-shaped design for a secure grip, delivering high-frequency and large-aperture capabilities that yield high-resolution images across a wide field of view. With **real-time Tissue Elastography (RTE)**, tissue strain is assessed and displayed as a color map, providing valuable insights into tissue stiffness variations. This technology has been validated across diverse clinical applications, including breast, thyroid, and urinary tract assessments, as well as for evaluating diffuse liver and pancreatic diseases using the abdominal convex transducer.

Moreover, the ARIETTA V60 offers Assist Strain Ratio functionality, including the Fat Lesion Ratio (FLR), which quantifies regions of interest in the strain image. The Assist Strain Ratio streamlines FLR measurement, enhancing reproducibility and objectivity while reducing measurement time. These innovative features empower clinicians with comprehensive intraoperative imaging capabilities, facilitating precise surgical planning and execution, ultimately leading to improved patient outcomes.

Features:

- Exceptional imaging performance
- Innovative piezoelectric element design
- Integration of noise suppression components
- Compound Pulse Wave Generator (CPWG+)
- Pixel-level focusing for increased precision
- Fully software-oriented, high-speed computing system
- IPS-Pro monitor with high contrast ratio and wide viewing angle
- Meticulously designed console layout for smooth operation
- Real-time optimization features
- Specialized intraoperative transducers
- Assist Strain Ratio functionality

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