

Application of Giada Motherboard in B-mode ultrasound Machine

Client's Voice

"After many surveys and tests, we eventually chose Giada H110DL series as the mother board of our B-mode ultrasound machine, as its powerful performance in data & image processing and impressive stability, which perfectly satisfied our requirements."

Said R&D leader of Ultrasound Machine

Giada H110DL series



Introduction

This medical instrument company is one of China's biggest manufacturer base of ultrasound with longest history. It develops and manufactures a variety of ultrasound imaging systems and accessories for both human and veterinary use, and NDT equipment including phased-array ultrasonic flaw detector, conventional flaw detector, thickness gauge, probes and accessories. Giada's embedded motherboards are adopted in many types of its ultrasound machine.

Requirements

Along the rapid development of computer & network technology and increasement of clinical diagnosis and treatment, the image quality requirements for B-mode ultrasound machine become increasingly high. Moreover, the diagnosis range and data generation are also extended. Thus, requirements for performance of embedded motherboards are raised in order to meet high standard of new types of ultrasound machine.

- Highly compact and integrated design
- Abundant I/O interfaces
- Low power consumption
- Wide operating temperature
- High stability and robust

Product Developed

Giada H110DL (customized version)

- Adopts Intel® Skylake/Kabyake-S i3/i5/i7 processor and Intel® H110 Chip-set
- Compact dimension (170x170mm) can fit into portable ultrasound instrument
- Back I/O customized for ultrasound machine, 2xUSB2.0, 1XRJ45, 2xRCA+1xS-video
- Independent Video Card, NV GT730 2G GDDR5
- Abundant display interface support multi-displays, HDMI+VGA+LVDS+DVI-D
- Low power consumption, standby time more than 24h
- Robust and outstanding shock resistance



Conclusion

Delivering a powerful yet very cost effective motherboard to meet high standard of the latest B-mode ultrasound machine, Giada has been serving this reputed ultrasound brand for many years and proven itself to be a very qualified embedded MB supplier for medical instruments.