

SBOX-100-QM87

Maritime Embedded System

New

Features

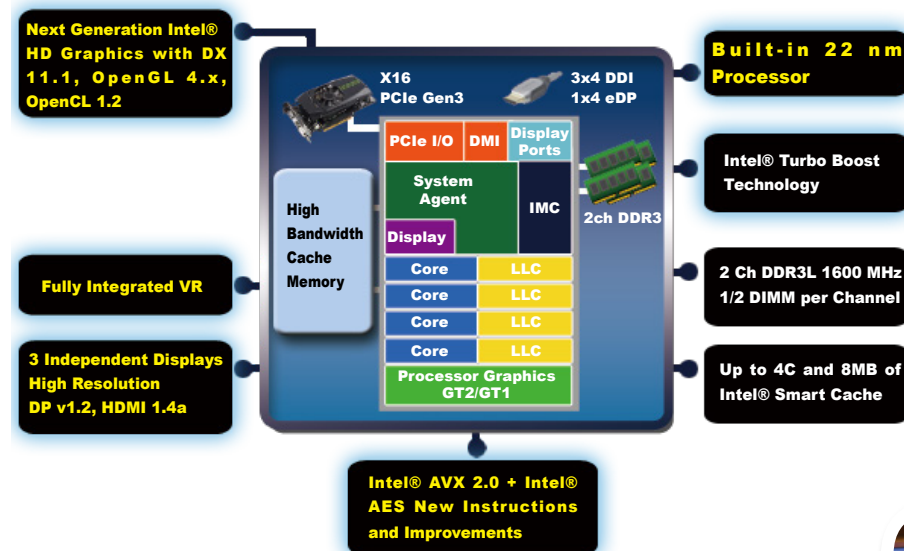
- Fanless marine computer with 4th generation Intel® Core™ i5 dual-core processor
- -15°C ~ +55°C wide temperature
- Isolation protection
 - » 4 x RS-232/422/485 isolated serial ports
 - » Isolated 18 V~24 V DC input
 - » 2 x Isolated CAN-bus 2.0B
- 2 x 2.5" SSD bay with RAID 0/1 function
- Supports IEI iRIS-2400 (IPMI 2.0 compliant)



Intel® Core™ i5 High Performance Computing Power in a Fanless Design

IEI's high performance marine solutions are built with the powerful Intel® Core™ i5 CPU within a fanless system architecture. No matter your applications are general marine system management, monitoring or conning systems, radar systems, or ECDIS navigation, IEI's marine computers will give you the most stability than ever.

- Improved CPU performance with Intel® 22nm 4th Generation Mobile Core™ i5-4400E 2.7 GHz processor
- Two 204-pin 1600/1333MHz dual-channel DDR3 SDRAM support up to 16 GB


-15°C~55°C FANLESS!


With IEI's fanless solutions, your vessels can avoid the bothersome of replacement of fan, increasing safety and efficiency for the crew and the entire ship.

Three independent aluminum heat sinks help the heat dissipate averagely, and help the system efficiently achieve wide operating temperature range between -15°C~55°C.

3 independent displays: HDMI, DVI, and VGA

The three simultaneously independent displays are supported via the on-board video output combinations of VGA, DVI and HDMI. This versatile combination of display output options make the marine system ideal for multi-monitor required applications in the bridge room.



Multiple Isolated Ports for Comprehensive Protection against Electrical Surges

Ground loop and electric surges are common in the marine applications of electronic products due to the dense placement of devices. These stray electrical signals can cause equipment damage or malfunction.

■ 2.5 kV isolation protection on the RS-232/422/485

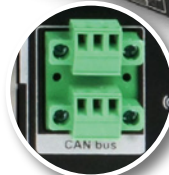
IEI marine computer is protected from any stray electrical signals from other devices on the ship. Electric surges that were generated from other electronic devices which often passed through serial lines to the marine computer can cause severe damage and malfunction to the computers.



■ Isolated 18 V~24 V DC power 2250 V DC Input to Output Basic Insulation

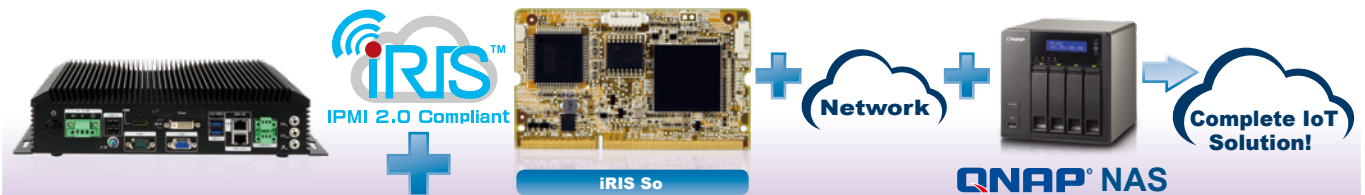
■ Two independent CAN 2.0B channels with 2.5 kV isolation protection

CAN 2.0B is a kind of marine electronic data network for communication between marine electronic devices such as chart plotters, navigation instruments, GPS receivers, etc.



IEI Remote Intelligent Management System

The marine computer supports IEC iRIS remote management solution which helps users to manage multiple devices through single management interface and elevates work efficiency. The iRIS solution only requires a module and Internet connection!



iRIS Key Feature	Detailed Functions	iRIS Key Feature	Detailed Functions
System health monitor	<ul style="list-style-type: none"> Hardware monitor Health log Event log 	Screen record	<ul style="list-style-type: none"> Remote video streaming record Event Trigger Setting & video record
Remote system maintenance	<ul style="list-style-type: none"> Remote BIOS update Remote OS recovery Remote KVM + One Key Recovery Remote out-of-band backup 	Remote power control	<ul style="list-style-type: none"> Reset Power Power Off Server — Immediately Power Off Server — Orderly Power On Server Power Cycle Server
Active alert & notice	<ul style="list-style-type: none"> Send instant system alerts via e-mail Send instant system alerts via SMS Send instant system alerts to management server 	Remote troubleshooting	<ul style="list-style-type: none"> Remote software update Remote OS installation & recovery Remote KVM Post code display
Remote device control	<ul style="list-style-type: none"> Fan control Remote KVM Remote setting BIOS 	Diagnose before dispatch	<ul style="list-style-type: none"> Health log analysis Event log analysis
		Group control	<ul style="list-style-type: none"> Group control

