SBOX-100-QM87i-QGW

Maritime Embedded System



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~36 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)

Specifications

Form factor	
SBC Form Factor	Intel® mobile Core™ i5-4400E (2.7 GHz, 37W)
System	
Cooling method / System Fan	Fanless
Chipset	Chipset: Intel® QM87
Memory Max.	2 x 204-pin DDR3 SO-DIMM slot
	(system max. 16 GB)
	Pre-installed 4 GB DDR3 SO-DIMM
Drive Bays	2 x 2.5” SATA 6Gb/s SSD bay with
	RAID 0/1 function
I/O Interface	
Display	1 x VGA
	1 x DVI-D
	1 x HDMI™
Audio	1 x Line-out, 1 x Line-in, 1 x Mic-in
I/O Interface	1 x PS2 (KB/MS)
	2 x USB3.0
	2 x USB2.0
	2 x RJ-45 with teaming support
	1 x PCIe GbE by Intel® I217LM
	1 x PCIe GbE by Intel® I210-AT
	(2 with 2 kV isolation)
	1 x DB-9 (non-isolated)
	4 x RS-232/422/485 (with 2.5 kV isolation)
	2 x CAN-bus (with 2.5 kV isolation)
	2 x Antenna SMA hole (reserved)
Serial	1 x DB-9 (non-isolated)
	4 x RS-232/422/485 (with 2.5 kV isolation)
Power	

Input	Terminal block: Isolated 24V DC (18~31.2 V DC)
Power consumption	100 W (Intel® mobile Core™ i5-4400E with 4 GB
	DDR3 memory)
Environment	
Operating Temperature	-15°C ~ 55°C (5°F ~131°F) with air flow (SSD)
Safety & EMC	EMC/CE/FCC/DNV, IEC 60945 4th,
	IACS-E10, IEC 61174 compliant
	IP rating: IP22 compliant rear cover
Humidity	5% ~ 95%, non-condensing
Dimensions	
Dimensions	290 x 75 x 225
Weight	
Weight	4.08 kg / 6.03 kg
Color	
Color	Black
Expansion Slots	
Expansion Slots	2 x Full size

Ordering Information

SBOX-100-QM87i-QGW-R10	Fanless marine computer with Intel® Mobile Core™ i5-4400E 2.7GHz Processor ,DDR3 8GB, iRIS-2400 supported, with QTS-Gateway, isolated 18~36V DC, RoHs

Packing List

1 x User manual	1 x PS/2 cable
1 x Rubber pad & screw pack	