

# 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<br>(system max. 16 GB)<br>Pre-installed 4 GB DDR3 SO-DIMM  |
| Drive Bays                  | 2 x 2.5" SATA 6Gb/s SSD bay with<br>RAID 0/1 function  |
| I/O Interface               |  |
| Display                     | 1 x VGA<br>1 x DVI-D<br>1 x HDMI™  |
| Audio                       | 1 x Line-out, 1 x Line-in, 1 x Mic-in  |
| I/O Interface               | 1 x PS2 (KB/MS)<br>2 x USB3.0<br>2 x USB2.0<br>2 x RJ-45 with teaming support<br>1 x PCIe GbE by Intel® I217LM<br>1 x PCIe GbE by Intel® I210-AT<br>(2 with 2 kV isolation)<br>1 x DB-9 (non-isolated)<br>4 x RS-232/422/485 (with 2.5 kV isolation)<br>2 x CAN-bus (with 2.5 kV isolation)<br>2 x Antenna SMA hole (reserved) |
| Serial                      | 1 x DB-9 (non-isolated)<br>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<br>DDR3 memory)   |
| <b>Environment</b>     |   |
| Operating Temperature  | -15°C ~ 55°C (5°F ~ 131°F) with air flow (SSD)                  |
| Safety & EMC           | EMC/CE/FCC/DNV, IEC 60945 4th,<br>IACS-E10, IEC 61174 compliant |
|                        | IP rating: IP22 compliant rear cover                            |
| Humidity               | 5% ~ 95%, non-condensing  |
| <b>Dimensions</b>      |   |
| Dimensions             | 290 x 75 x 225  |
| <b>Weight</b>          |   |
| Weight                 | 4.08 kg / 6.03 kg   |
| <b>Color</b>           |   |
| Color                  | Black   |
| <b>Expansion Slots</b> |   |
| 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 |                |