

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

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| 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 | |

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|------------------------|---|
| 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

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|------------------------|---|
| 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 |
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Packing List

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