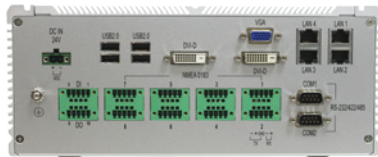


ARTS-2870

Marine PC with Intel® Core™ i5-4402E



Features

- **Fanless and rugged design**
- Isolated NMEA 0183
- Isolated RS-232/485 and DIO
- Compliant with IEC-60945, IACS E10, DNV 2.4
- Support 3 Video outputs
- Support RAID 0/1

| System | |
|----------------|--|
| CPU | Soldered onboard Intel® Core™ i5-4402E 1.6GHz |
| Memory | 1 x 204-pin SO-DIMM sockets, supporting DDR3L 1333/1600 MHz, up to 8GB SDRAM |
| Chipset | Intel® PCH QM87 |
| Graphics | Integrated Intel® HD Graphics 4600 |
| SATA | 2 x Serial ATA ports with 300MB/s HDD transfer rate 2 x Serial ATA ports with 600MB/s HDD transfer rate |
| LAN Chipset | 1x Intel® i217LM GbE PHY (iAMT 9.0 supported) 3 x Intel® i210IT GbE controllers |
| Watchdog Timer | 1~255 levels reset |
| I/O | |
| Serial Port | 2 x RS-232/422/485 port w/ DB-9 connectors, rear side, 2 KV isolated protection 8 x NMEA 0183 ports, rear side 2 KV isolated protection |
| USB Port | 2 x USB 3.0 ports type A connector, front side 4 x USB 2.0 ports type A connector, rear side |
| LAN | 4 x RJ-45 port for Gigabit Ethernet |
| Video Port | 2 x DVI-D Female connector 1 x VGA DB-15 Female output |
| Digital I/O | 1 x 8-bit digital I/O, 4-in/4-out w/ 10-pin terminal block, 2KV isolated protection |
| Antenna | 2 x SMA-Female connectors' holes for external antennas |
| Audio | 1 x Line-out with 3.5mm jack 1 x MIC-in with 3.5mm jack |
| Expansion Bus | 1 x Mini-PCIe slot (half-size) 1 x mSATA slot for internal mSATA SSD |

Environmental

| | |
|-------------------|--|
| Operating Temp. | -25 ~ 55°C (-13 ~ 131°F), ambient w/ air flow |
| Storage Temp. | -40 ~ 80°C (-40 ~ 185°F) |
| Relative Humidity | 10 ~ 95% @ 55°C (non-condensing) |
| Vibration | <ul style="list-style-type: none"> • 0.7 @ DNV 2.4 (Class A), sine wave, 2-100 Hz, 1 Oct./min., 1.5 hr per axis • 1 g @ DNV 2.4, random wave, 3-100 Hz, 2.5 hr per axis • 2.1 g @ DNV 2.4 (Class C), sine wave, 2-50 Hz, 1 Oct./min., 1.5 hr per axis |
| Shock | 50 g @ IEC 60068-2-27, half sine wave, 11 ms |

Qualification

| | |
|---------------|--|
| Certification | CE, FCC Class A Compliant with IEC-60945, IACS E10, DNV 2.4 |
|---------------|--|

Power Requirement

| | |
|-------------|---------------------------------------|
| Power Input | DC 24V input, 2KV isolated protection |
|-------------|---------------------------------------|

| | |
|-------------------|----------|
| Power Consumption | Max. 60W |
|-------------------|----------|

Storage

| | |
|------|---|
| Type | 2 x 2.5" drive bays for SATA SSD (1 x outside accessible SSD), support RAID 0/1 1 x mSATA |
|------|---|

Mechanical

| | |
|---------------------------|---|
| Construction | Aluminum alloy with corrosion resistant |
| Mounting | Support wall-mount |
| Weight | 5.7 kg (12.56 lb) |
| Dimensions (W x H x D) | 270.4 x 110 x 240 mm (10.65" x 4.33" x 9.45") |

OS Support

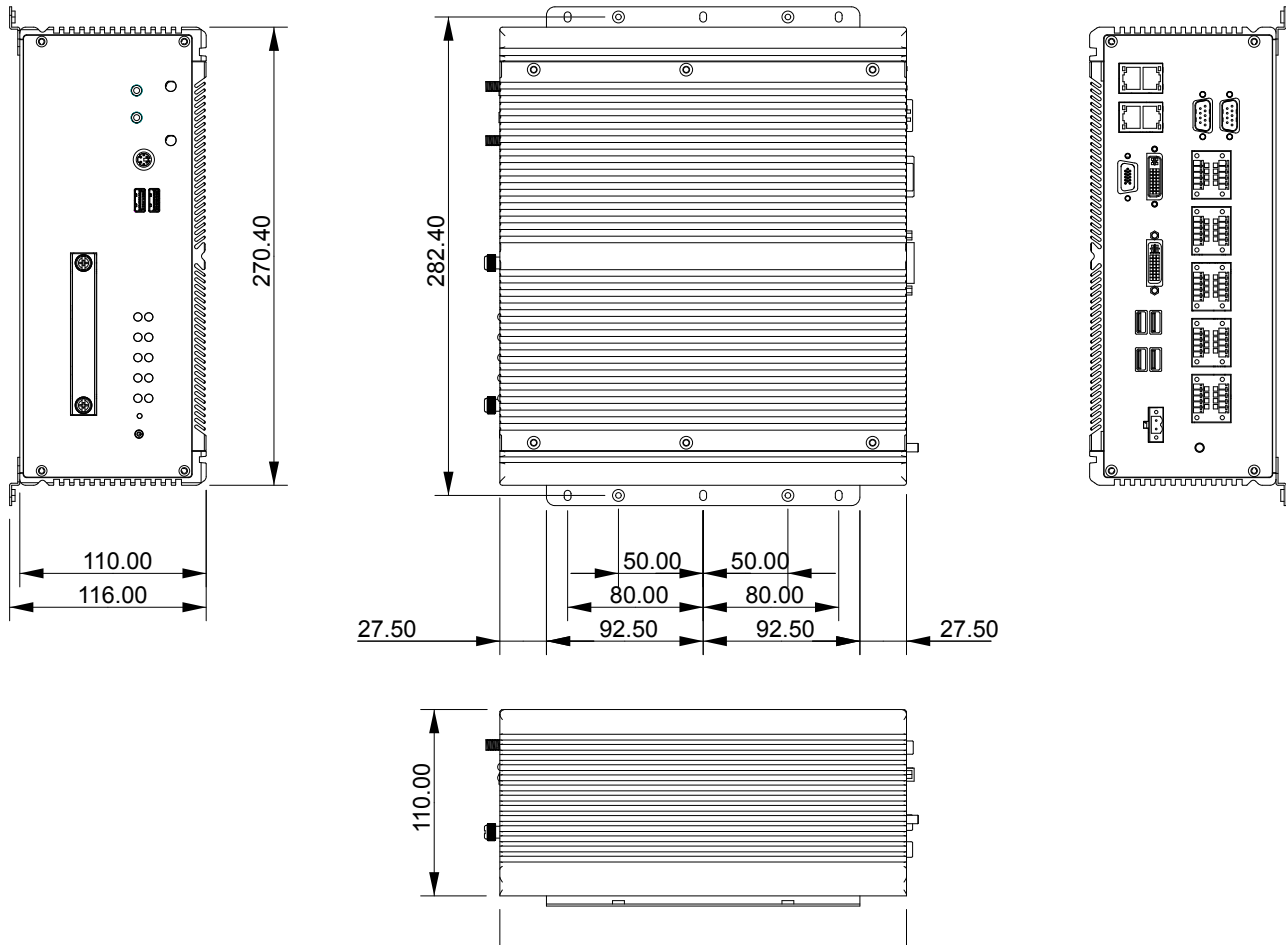
WS7E / W7 Pro / WE8 STD/ W8.1 Pro / Linux (Kernel: 3.1X)

Ordering Information

| | |
|-----------|---|
| ARTS-2870 | Marine Barebone System w/ Intel® Core™ i5-4402E, w/o memory and storage |
|-----------|---|



Dimensions



Optional Accessory

PAC-P120W6B-FSP 120W AC/DC adapter kit



Optional Configuration (CTOS* Kit)

SSD-25032 Memoright 2.5" 32GB SATAII SSD kit



MM-3CL-2G DDR3L-1333 2GB SDRAM

MM-3CL-4G DDR3L-1333 4GB SDRAM

MM-3CL-8G DDR3L-1333 8GB SDRAM



WiFi-AT2350 Atheros AR9462 Wi-Fi module w/ 20cm & 30cm internal wires



ANT-D11 1 x Wi-Fi dual-band 2.4G/5G antenna



*CTOS means Configure-to-Order Service.