



## EMB-5850

Intel Atom N270 based 5.25" Embedded Board



#### **FEATURES**

- Intel Atom N270 1.6Ghz
- Intel ICH7M Chipset
- VGA, DVI & LVDS
- GbE LAN
- Mini PCle
- Compact Flash Support

#### **BRIEF PRODUCT DESCRIPTION**

The EMB-5850 from Norco is a full function 5.25" EBX single board computer based on the Intel Atom N270 processor and 945GSE Chipset. The Intel Integrated Graphics supports DVI, VGA and LVDS display output and dual independent display.

The board also provides 2 x SATA, 1 x Compact Flash, 4 x USB, 6 x COM, 1 x Gigabit Ethernet, 8-bit digital I/O, and 1 x PCI, 1 x Mini-PCIe expansion interfaces.



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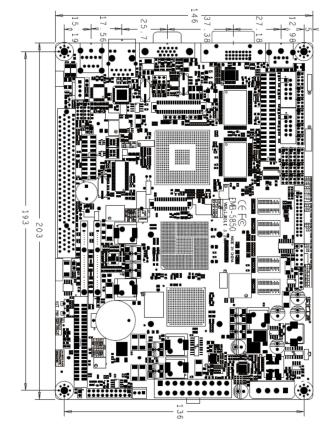
| FEATURE | DESCRIPTION |
|---------|-------------|
|         |             |

|                             | Processor                            | Intel Atom N270 1.6Ghz    |
|-----------------------------|--------------------------------------|---------------------------|
| Platform                    | Chipset                              | Intel ICH7M               |
|                             | BIOS                                 | 4M-bit SPI Flash          |
| System Memory               | Technology                           | DDR2 400/533              |
|                             | Socket                               | 1 x SO-DIMM               |
|                             | Onboard Memory                       | Up to 512MB               |
|                             | Max                                  | 2GB                       |
| Storage Interface           | SATA Ports                           | 2                         |
|                             | Compact Flash                        | 1                         |
| Display                     |                                      | VGA                       |
|                             | Interface                            | DVI                       |
|                             |                                      | LVDS                      |
| Audio                       | Codec                                | Intel Integrated          |
|                             | Serial                               | 6 x RS232                 |
|                             | VGA                                  | 1                         |
|                             | DVI-D                                | 1                         |
| 1/0                         | Digital I/O                          | 1 x 8-Bit                 |
|                             | USB 2.0                              | 4                         |
|                             | LAN                                  | 1 x RJ45 GbE              |
|                             | Mic In / Line Out                    | Yes                       |
| Expansion                   | Mini-PCle                            | 1                         |
|                             | PCI                                  | 1                         |
|                             | PCle                                 | 0                         |
| Hardware<br>Monitoring      | Controller                           | -                         |
|                             | Watchdog Timer                       | Yes                       |
| OS Supported                | Windows                              | XP onwards                |
|                             | Linux                                | Ubuntu 10.04 onwards      |
|                             | Other                                | -                         |
| Power                       | Input                                | Standard ATX              |
|                             | Power Adapter                        | -                         |
| Environmental<br>Parameters | Temperature,<br>ambient<br>operating | 0°c to 60°c               |
|                             | Humidity,<br>ambient<br>operating    | 0 to 95% (Non-condensing) |
| Physical<br>Dimensions      | Dimensions                           | 203mm x 146mm             |
|                             | Weight                               |                           |

#### ORDERING INFORMATION

**EMB-5850** Norco EMB-5850

### MECHANICAL DRAWING



#### About Assured Systems (UK) Ltd

Assured Systems is a leading British technology company offering high quality and innovative applied computing solutions to the embedded, industrial, and digital-out-of-home markets across the United Kingdom and Ireland.

Our impressive product portfolio includes a full range of Fanless Embedded Computer Systems, Digital Signage & Multimedia Computer Systems, Touchscreen Panel PCs, Human Machine Interfaces, Vehicle Mount Computers, Rackmount Computer Systems, Single Board Computers, Rugged Laptops & Tablets.

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# **Assured Systems**

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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