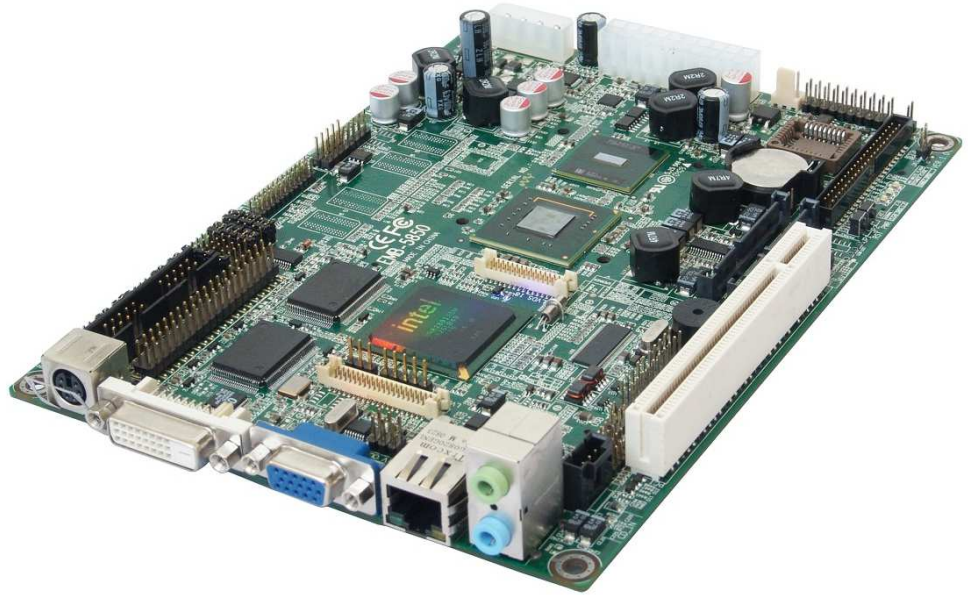# EMB-5850

Intel Atom N270 based 5.25" Embedded Board

FEATURES

- Intel Atom N270 1.6Ghz
- Intel ICH7M Chipset
- VGA, DVI & LVDS
- GbE LAN
- Mini PCIe
- 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.

Windows® Embedded
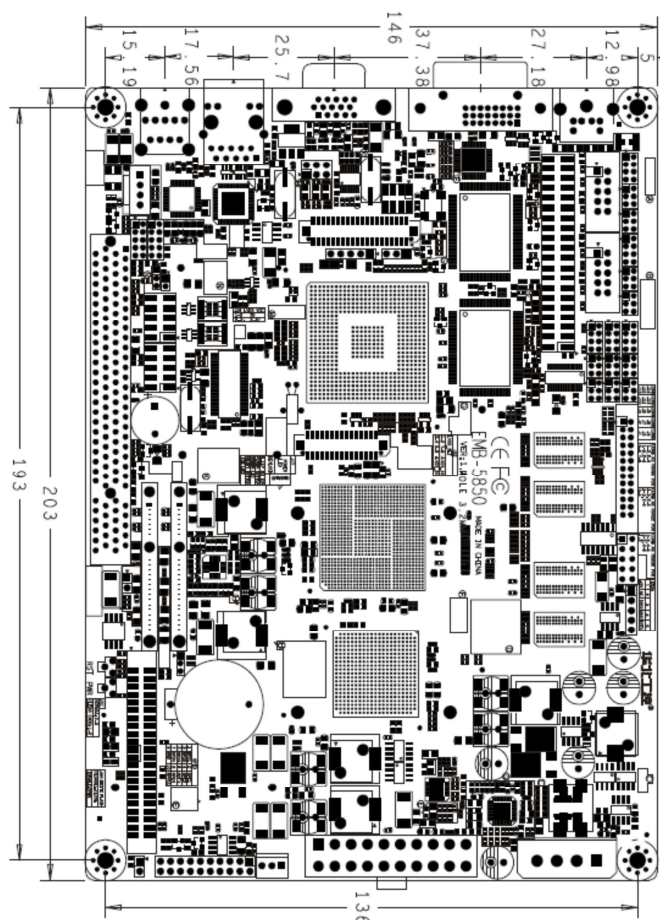Partner

FEATURE DESCRIPTION

Platform	Processor	Intel Atom N270 1.6Ghz
	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	Interface	VGA
		DVI
		LVDS
Audio	Codec	Intel Integrated
I/O	Serial	6 x RS232
	VGA	1
	DVI-D	1
	Digital I/O	1 x 8-Bit
	USB 2.0	4
	LAN	1 x RJ45 GbE
	Mic In / Line Out	Yes
Expansion	Mini-PCIe	1
	PCI	1
	PCIe	0
Hardware Monitoring	Controller	-
	Watchdog Timer	Yes
OS Supported	Windows	XP onwards
	Linux	Ubuntu 10.04 onwards
	Other	-
Power	Input	Standard ATX
	Power Adapter	-
Environmental Parameters	Temperature, ambient operating	0°c to 60°c
	Humidity, ambient operating	0 to 95% (Non-condensing)
Physical 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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