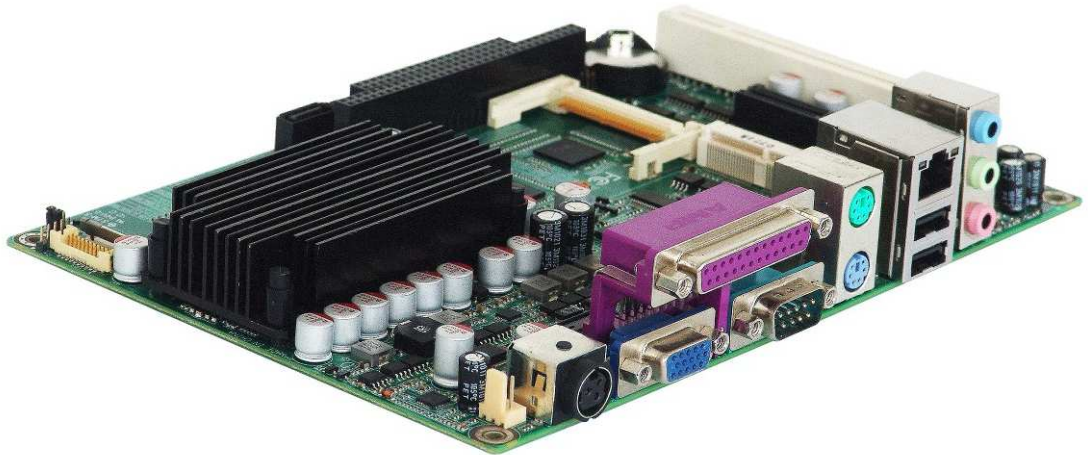# EMB-5872

5.25" Form Factor Embedded Motherboard Based On The Intel Atom D510 Processor

FEATURES

- Intel Atom D510 1.67Ghz
- Intel ICH8M Chipset
- VGA & LVDS
- GbE LAN
- 1 x Mini PCIe
- 1 x PCIe
- 1 x PC/104

BRIEF PRODUCT DESCRIPTION

The EMB-5872 from Norco is a full function 5.25" EBX single board computer based on the Intel Atom D510 processor and ICH8M Chipset. The Intel Integrated Graphics supports VGA and LVDS display output and dual independent display.

The board also provides 2 x SATA, 1 x Compact Flash, 8 x USB, 2 x COM, 1 x Gigabit Ethernet, 8-bit digital I/O, and 1 x PCI, 1 x Mini-PCIe, 1 x PCIe[X4], 1 x LPC, 1 x PC/104, and 1 x JTAG expansion interfaces.

Windows® Embedded Partner

Platform	Processor	Intel Atom D510 1.67Ghz
	Chipset	Intel ICH8M
	BIOS	8M

System Memory	Technology	DDR2 667
	Socket	1 x SO-DIMM
	Onboard Memory	-
	Max	2GB

Storage Interface	SATA Ports	2
	Compact Flash	1

Display	Interface	VGA
		LVDS

Audio	Codec	Realtek ALC888

I/O	Serial	2 x RS232
	VGA	1
	DVI-D	-
	Digital I/O	1 x 8-bit
	USB 2.0	8
	LAN	1 x RJ45 GbE
	Mic In / Line Out	Yes

Expansion	Mini-PCIe	1
	PCI	1 x PC/104
	PCIe	1

Hardware Monitoring	Controller	-
	Watchdog Timer	Yes

OS Supported	Windows	XP onwards
	Linux	Ubuntu 10.04 onwards
	Other	-

Power	Input	+12V Single
	Power Adapter	-

Environmental Parameters	Temperature, ambient operating	0°c to 60°c
	Humidity, ambient operating	0 to 90% (Non-condensing)

Physical Dimensions	Dimensions	203mm x 146mm
	Weight	-

ORDERING INFORMATION

EMB-5872	Norco EMB-5872

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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