

TIM-5510

Embedded Mainboard



Key Features

Intel Atom D510 DC powered fanless embedded board.

Mini-PCI and Mini-PCIe expansion slots.

Various storage possibilities ranging from CF card, IDE, SATA to onboard NAND Flash.

Integrated multireader that reads SD, XD, MMC, MS and all their variants.

Four serial ports, 8 GPIO's and 8 USB to connect and control external devices.

Specifications

System

CPU	Fanless Intel Atom D510 dualcore @ 1.66 Ghz
Memory	1x DDR2 SO-DIMM Max. 2GB
Chipset	ICH8
Graphic interfaces	VGA by pinheader Dual channel LVDS upto 18 bit
Touchpanel	5 wire resistive touchcontroller
Audio Chipset	Realtek ALC888 7.1 audio, S/PDIF, microphone, 2 Watt amplified speaker L/R
BIOS	AMI BIOS
Supported OS	Linux 2.6.x, Windows XP/Vista/7

Communication Interfaces

By connector	DC-in, Marvell Gigabit RJ-45 (2x), USB 2.0 (4x), RS-232, multireader
By pinheader	LPT, digital IO (8x), USB 2.0 (4x), RS-232 (2x) RS-232/422/485(1x switch select)

Expansion and storage

On board storage	1GB NAND Flash (optional)
Multi Cardreader	SD, MMC, XD, MS cards
Cardslot	CF card slot (optional)
Expansion slots	mini-PCI, mini-PCIe
On board	3x SATA, 1x IDE 44 pin interface

Power

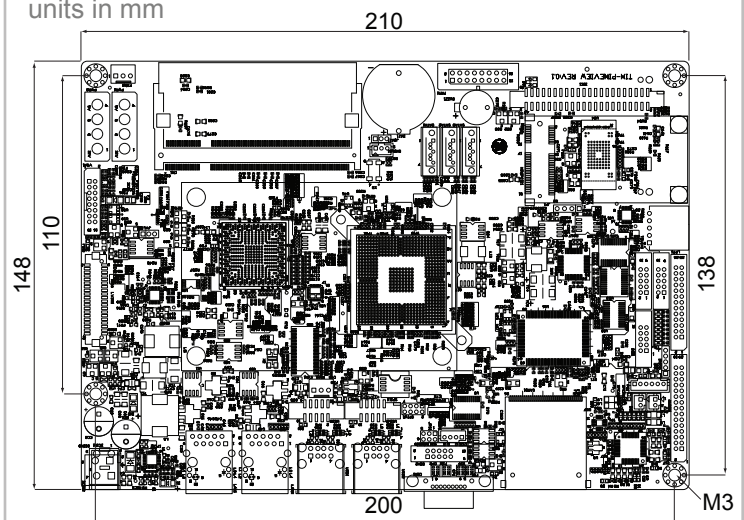
Power requirements	12VDC or wide voltage (8~30VDC)
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Environmental and Mechanical

Temperature	0° to 60° C
Humidity	10-90%
Dimensions	210 x 148 mm (A5 paper size)
Weight	550 grams

Dimensions

units in mm



Order Information

TIM-5510-SV	standard voltage (12VDC)
TIM-5510-WV	wide voltage (8~30VDC)

Other configurations such as different CPU, optional interfaces and storage capacities on project basis

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