

# TIM-5780

Embedded  
Mainboard



## Key Features

Full HD 3D multimedia experience with surround 7.1 HD audio, OpenGL supported displays and touch sensor interface.

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

Fully customizable opensource BIOS and boot kernel that works with secure encrypted soldered NAND flash.

8 programmable LED's to simplify support to field service engineers.

## Specifications

### System

CPU	Dualcore AMD Athlon X2 @ 1.5Ghz
Memory	2x DDR2 SO-DIMM Max. 4GB
Chipset	AMD M780E + SB710
Graphic interfaces	HDMI connector upto 1080p VGA by pinheader Dual channel LVDS upto 24 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 or Opensource Coreboot
Supported OS	Linux 2.6.x, OpenEmbedded, Windows

### Communication Interfaces

Ethernet	2x Marvell Gigabit RJ-45
By connector	USB 2.0 (4x), RS-232 (1x)
By pinheader	LPT, digital IO (8x), USB 2.0 (6x), RS-232/422/485 (switch select)

### Expansion and storage

On board storage	NAND 64/128/256/512/1024 MB
Multi Cardreader	SD, MMC, XD, MS supported
Cardslot	CF card slot (optional)
Expansion slots	mini-PCI, mini-PCIe
On board	4x SATA with RAID 0, 1, 10 support 2x E-SATA ports, 1x IDE 44 pin interface

### Power

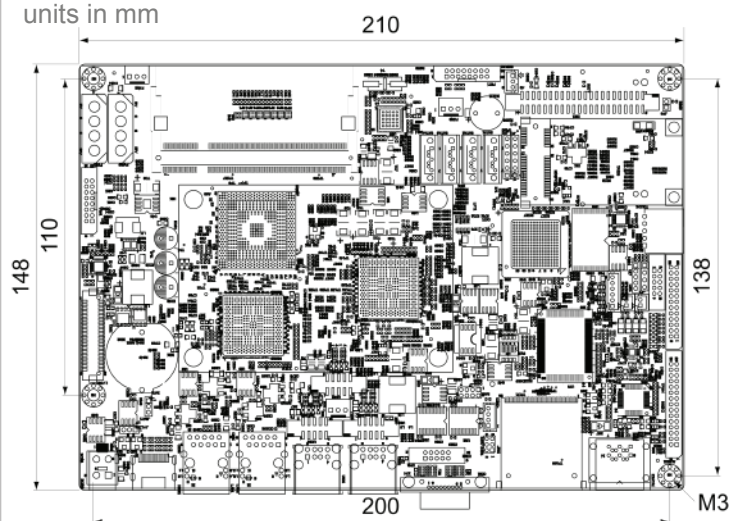
Power requirements	12V DC
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### Environmental and Mechanical

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-5780-256      256MB NAND flash

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

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