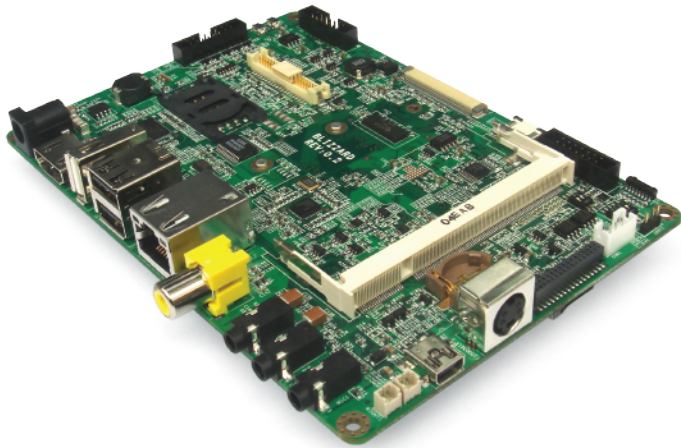# Blizzard

## Interface Base Board for TDM-3730 Series



## Key Features

Complete TDM-3730 multimedia development board compatible with any display through LVDS, TTL, HDMI, VGA, S-Video interfaces.

Expand storage options with USB, SATA and micro-SD card slot. Record and play back audio and video easily over the Composite,S-video interfaces, audio jacks and speakers and Camera expansion interface.

LAN, RS-232, RS-422/485, SPI, I2C to control remote or external devices or connect over a 3G module to the outside world. (miniPCIe + SIMcard available on Blizzard).

## Specifications

### System

| | |
|---|---|
| System on module | Compatible with TDM-3730 by a 200 pin SO-DIMM connector |
| Network | 10/100 Mbps by local bus |
| RTC | onboard RTC with backup battery |

### Interfaces

| | |
|---|---|
| Connectors | 3 standard-USB hosts |
| | 1 mini-USB device/ OTG |
| | RJ-45 LAN connector |
| | micro-SD card slot |
| | Stereo audio in/out 3.5 mm |
| | Microphone 3.5 mm |
| | 2W amplified speaker |
| | 18 bit LVDS and touchpanel |
| | TTL LCD & touchpanel for 4.3" LCD |
| | TTL LCD & touchpanel for 7" LCD |
| | RCA composite in, S-video out |
| | HDMI connector |
| | IR sensor, MiniPCIe slot + SIM card for 3G datamodule |
| Expansion header | VGA by pinheader, Camera expansion, keypad, SPI, RS-232, RS-422/485, UART, I$^2$C, GPIO |

### Power

| | |
|---|---|
| Power requirements | 12 VDC |

### Environmental and Mechanical

| | |
|---|---|
| Temperature | Commercial: 0° to 70° C |
| | Extended: -20° to 70° C |
| | Industrial: -40° to 85° C |
| Humidity | 10-90% |
| Dimensions | 147 x 102 mm (5¾ x 4 inch) |
| MTBF | >100,000 hours |
| Weight | 92 grams |
| Shock | 50G / 25ms |
| Vibration | 20G / 0-600 Hz |

## Dimensions

units in mm
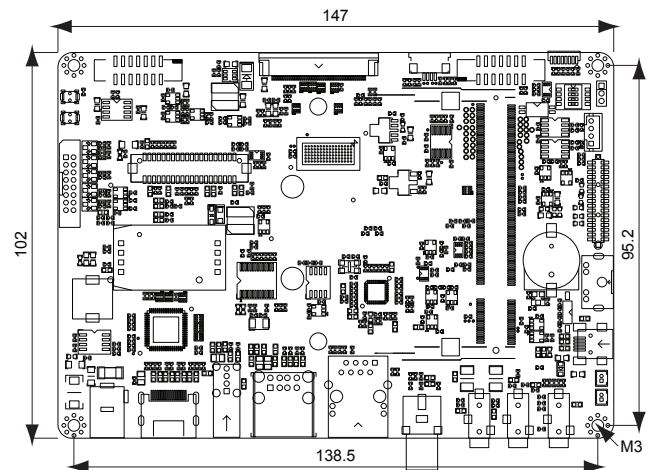


## Order Information

| | |
|---|---|
| Blizzard | Base board for TDM-37x series |
| Blizzard pack | TDM-3730W & Blizzard & 4.3" LCD & 60 Watt 12VDC Adaptor |
| Blizzard pack XL | TDM-3730W & Blizzard & 7" LCD & 60 Watt 12VDC Adaptor |

Contact us for custom interface boards for your projects

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