

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.

Communicate over LAN, RS-232, RS-422/485, SPI, I<sup>2</sup>C to control remote or external devices or connect over a 3G data module to the outside world.

### System

System on module      Compatible with TDM-3730 by a 200 pin SO-DIMM connector (**B1**)  
 RTC      with backup battery (**11**)

### Interfaces

Connectors      3 standard-USB hosts (**21, 22**)  
                          1 mini-USB device/ OTG (**13**)  
                          RJ-45 LAN connector (**20**)  
                          micro-SD card slot (**bottom**)  
                          Stereo audio in/out 3.5 mm (**17,18**)  
                          Microphone 3.5 mm (**16**)  
                          2W amplified speaker (**14, 15**)  
                          18 bit LVDS and touchpanel (**27**)  
                          TTL & touchpanel for 4.3" LCD  
                          TTL & touchpanel for 7" LCD (**1**)  
                          RCA composite in (**19**)  
                          S-video out (**12**)  
                          HDMI connector (**23**)  
                          MiniPCIe slot (**bottom**) +  
                          SIM card (**25**) for 3G module slot (**bottom**)

Expansion header      VGA by pinheader (**26**), Camera expansion (**10**), keypad (**30**), SPI (**3**), RS-232 (**6**), UART, RS-422/485 (**8**), I<sup>2</sup>C, GPIO

### Power

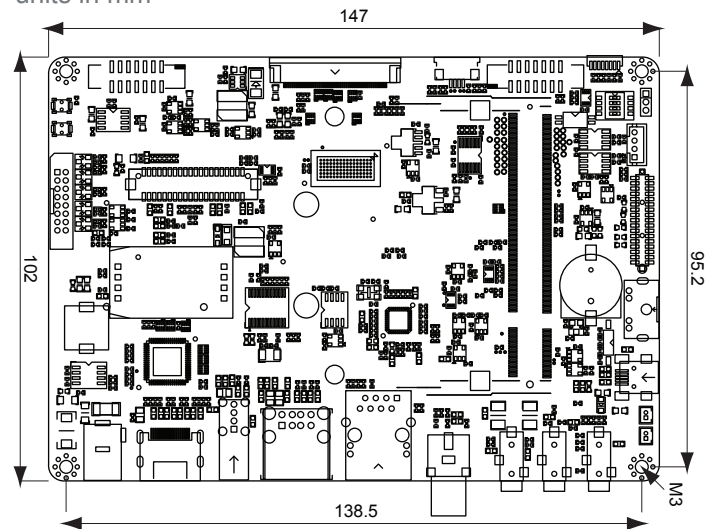
Input power      12 VDC

### Environmental and Mechanical

Temperature      Commercial: 0° to 50° C  
 Humidity      10-90%  
 Dimensions      147 x 102 mm (5¾ x 4 inch)  
 Weight      92 grams  
 Shock      50G / 25ms  
 Vibration      20G / 0-600 Hz

### Dimensions

units in mm



### Order Information

Blizzard      Base board for TDM-3730 series

### ARM Expansion Modules

TCM-500A      5 MP camera module

Development kits available

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