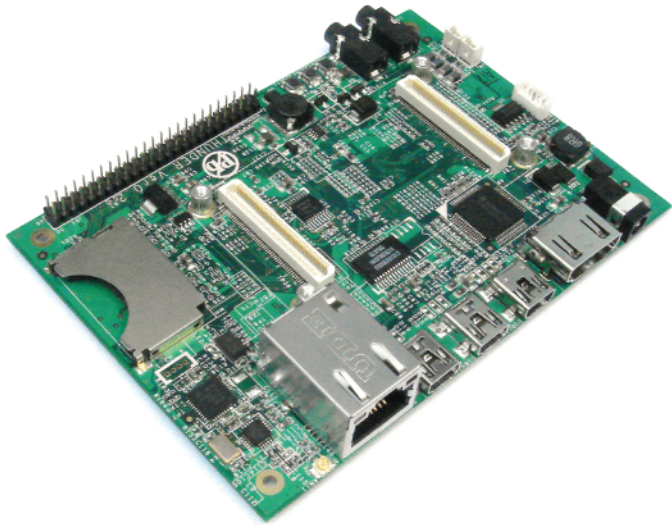


# Thunder

## Interface Base Board for TAO-3530 Series



### Key Features

Make TAO-3530 mobile by using the onboard battery interface and 3 axis G-sensor movement detection.

Connect a 4.3" LCD Flatpanel display with touchscreen interface.

Add more communication ports to TAO-3530 with instant onboard 2.4GHz RF transceiver interface and wired LAN.

Create your own multimedia application by using the SD cardreader, audio, speaker and HDMI/DVI interface.

### Specifications

#### System

|                  |                                                         |
|------------------|---------------------------------------------------------|
| System on module | Compatible with TAO-3530 by two 100 pin NAIS connectors |
| Movement Sensor  | 3 axis G-sensor                                         |
| RF interface     | 2.4Ghz instant-on transceiver                           |
| Network          | SMSC 9500 10/100 Mbps                                   |

#### Interfaces

|                 |                                                                                                                                                                                                                                                                                   |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connectors      | 2 mini-USB hosts<br>1 mini-USB device/ OTG<br>RJ-45 LAN connector<br>SD card slot<br>stereo audio in/out, 3.5 mm<br>2W amplified speaker<br>battery interface<br>TTL LCD & touchpanel for 4.3" LCD<br>DVI-D signal by HDMI connector<br>SPI, RS-232, UART, I <sup>2</sup> C, GPIO |
| 50 pin thruhole |                                                                                                                                                                                                                                                                                   |

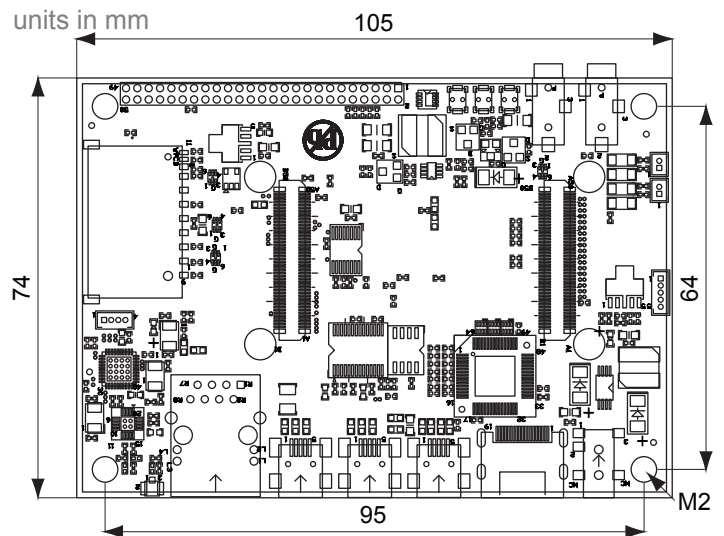
#### Power

|                    |      |
|--------------------|------|
| Power requirements | 5VDC |
|--------------------|------|

#### Environmental and Mechanical

|             |                                                                                 |
|-------------|---------------------------------------------------------------------------------|
| Temperature | Commercial: 0° to 70° C<br>Extended: -20° to 70° C<br>Industrial: -40° to 85° C |
| Humidity    | 10-90%                                                                          |
| Dimensions  | 105 x 74 mm<br>4 1/8 x 2 7/8 inch                                               |
| MTBF        | >100,000 hours                                                                  |
| Weight      | 42 grams                                                                        |
| Shock       | 50G / 25ms                                                                      |
| Vibration   | 20G / 0-600 Hz                                                                  |

### Dimensions



### Order Information

|              |                                |
|--------------|--------------------------------|
| Thunder      | Base board for TAO series      |
| Thunder pack | TAO-3530W & Thunder & 4.3" LCD |

## TechNexion

Phone: +886-2-8227-3585  
E-mail: [sales@technexion.com](mailto:sales@technexion.com)  
Web: <http://www.technexion.com>

