

## Overo IronSTORM-Y Technical Specifications



CPU	
<b>Processor</b>	Texas Instruments DaVinci DM3730
<b>Architecture</b>	ARM Cortex-A8
<b>Base Clock Speed</b>	800 MHz
<b>Max Clock Speed</b>	1 GHz
<b>Cores</b>	Single Core
Memory	
<b>RAM</b>	512 MB LPDDR (PoP)
<b>Flash</b>	512 MB
Graphics	
<b>HD Graphics Acceleration</b>	PowerVR SGX530
<b>Open GL ES</b>	2.0
<b>Clock Speed</b>	200 MHz
<b>Digital Signal Processor</b>	C64x+
Communications	
<b>Wireless Module</b>	Texas Instruments WiLink 8
<b>WiFi</b>	802.11b/g/n
<b>Access Point Mode</b>	Yes
<b>Bluetooth</b>	4.1 + BLE
<b>Antenna</b>	1 x u.fl Connector
Connectivity	
<b>Camera</b>	OMAP ISP
<b>Storage Expansion</b>	microSD Card Slot
Breakout: 2 x 70 Pin AVX	
<b>UART</b>	2
<b>McBSP</b>	
<b>SPI</b>	2
<b>I<sup>2</sup>C</b>	1
<b>MMC</b>	1
<b>HDMI</b>	
<b>LCD</b>	24-Wire
<b>Touchscreen</b>	Supported
<b>USB</b>	1 x Host / 1 x OTG
<b>GPIO</b>	3 to 6 Pins <sup>1</sup>
<b>PWM</b>	2
<b>ADC</b>	6 x 10-Bit
<b>Audio</b>	Stereo Out / Stereo Line In
<b>GPMC</b>	1 <sup>2</sup>

Power	
<b>Power Management</b>	Texas Instruments TPS65950
<b>Power Input</b>	3.3 - 4.2 V DC
Physical Specifications	
<b>Dimensions</b>	58mm L x 17mm W x 4.2mm H
<b>Weight</b>	5.6 g
<b>Operating Temperature</b>	0°C – 70°C
<b>RoHS Compliant</b>	Yes

The components used in the construction of the Overo IronSTORM and IceSTORM COMs carry an Industrial Temperature Rating (-40°C – 100°C) with the exception of:

- microSD card slot: -25°C – 85°C
- WiFi/Bluetooth module: -20°C – 70°C
- PoP memory: -25°C – 85°C

1. Depending on expansion board and based on default muxings. Available GPIOs can be modified via kernel configuration.

2. GPMC availability depends on expansion board features.

