

Overo IronSTORM-Y Technical Specifications



Processor Texas Instruments DaVinci DM3730 Architecture ARM Cortex-A8 Base Clock Speed 800 MHz Max Clock Speed 1 GHz Cores Single Core Memory RAM 512 MB LPDDR (PoP) Flash 512 MB Graphics HD Graphics Acceleration PowerVR SGX530 Open GL ES 2.0 Clock Speed 200 MHz Digital Signal Processor C64x+ Communications Wireless Module Texas Instruments WiLink 8 WiFi 802.11b/g/n Access Point Mode Yes Bluetooth 4.1 + BLE Antenna 1 x u.fl Connector Connectivity Camera OMAP ISP Storage Expansion Breakout: 2 x 70 Pin AVX UART 2 McBSP			
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HD Graphics Acceleration Open GL ES 2.0 Clock Speed 200 MHz Digital Signal Processor C64x+ Communications Wireless Module WiFi 802.11b/g/n Access Point Mode Yes Bluetooth 4.1 + BLE Antenna 1 x u.fl Connector Connectivity Camera OMAP ISP Storage Expansion Breakout: 2 x 70 Pin AVX UART 2			
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Communications Wireless Module WiFi 802.11b/g/n Access Point Mode Pes Bluetooth 4.1 + BLE Antenna 1 x u.fl Connector Connectivity Camera OMAP ISP Storage Expansion Breakout: 2 x 70 Pin AVX UART 2			
Wireless Module Texas Instruments WiLink 8 WiFi 802.11b/g/n Access Point Mode Yes Bluetooth 4.1 + BLE Antenna 1 x u.fl Connector Connectivity Camera OMAP ISP Storage Expansion microSD Card Slot Breakout: 2 x 70 Pin AVX UART 2			
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Camera OMAP ISP Storage Expansion microSD Card Slot Breakout: 2 x 70 Pin AVX UART 2			
Storage Expansion microSD Card Slot Breakout: 2 x 70 Pin AVX UART 2	Connectivity		
Breakout: 2 x 70 Pin AVX UART 2			
UART 2			
21 11 11			
McBSP			
SPI 2			
I²C 1			
MMC 1			
HDMI			
LCD 24-Wire			
Touchscreen Supported			
USB 1 x Host / 1 x OTG			
GPIO 3 to 6 Pins ¹			
PWM 2			
ADC 6 x 10-Bit			
Audio Stereo Out / Stereo Line In			
GPMC 1 ²			

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

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

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

• PoP memory: -25°C - 85°C

- 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.



Revised August 06, 2015

Mouser Electronics

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