

Overo IronSTORM-Y Technical Specifications



CPU	
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	microSD Card Slot
Breakout: 2 x 70 Pin AVX	
UART	2
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 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.



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