

## Andino IO Base – Datasheet

	Raspberry Pi 4:	Raspberry CM4 with Andino CM4 Adapter	
<b>SoC</b>	Broadcom BCM2711, Quad core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz	Broadcom BCM2837B0, Cortex-A53 (ARMv8) 64-bit SoC @ 1.4GHz	
<b>RAM</b>	4GB LPDDR4-3200 SDRAM	4GB LPDDR2 SDRAM	
<b>Flash</b>	None	32GB eMMC Flash	
<b>PCIe</b>	None	Interla PCIe X1 Port. Can be used for M.2 SSD via Adapter	
<b>WiFi</b>	2.4 GHz and 5.0 GHz IEEE 802.11ac wireless	None	
<b>Bluetooth</b>	Bluetooth 5.0, BLE	None	
<b>Ethernet</b>	Gigabit Ethernet	Gigabit Ethernet over USB 2.0 (max. throughput 300 Mbps)	
<b>Connectivity</b>	2 USB 3.0 ports; 2 USB 2.0 ports. Raspberry Pi standard 40 pin GPIO header 2 × micro-HDMI ports (up to 4kp60) Micro-SD card slot (accessible from outside Andino housing)	2 USB 2.0 ports external 1USB 2.0 port internal Full-size HDMI Extended 40-pin GPIO header	
<b>Delivery</b>	Andino IO, RaspberryPi 4, Breadboard, DIN rail Housing	Andino IO, CM4, Breadboard, DIN rail Housing	
<b>all variants</b>			
<b>Power Supply</b>	Wide range DC input 9-24V, polarity protection, Out: 5V, 2.6A	<b>Display</b>	0,98 inch OLED, 128x64 px,
<b>I/O's</b>	6 galvanic Isolation Inputs (isolated up to 5kV) 3 Relay Outputs (max. 42V, 1 A)	<b>RTC</b>	Integrated, battery-buffered Real Time Clock, DS3231 Dallas Semiconductors Accuracy: ± 2ppm between 0 °C and +40 °C
<b>Bus</b>	Onboard support RS232,RS485/RS422, CAN	<b>EMC</b>	DIN EN 61000-6-2/3

See all Information about Andino IO under <https://andino.systems/andino-io/emc/Andino%20IO%20-%20Overview%20&%20Datasheet.pdf>

EMC -Report <https://andino.systems/andino-io/emc/ANDINO-IoT-EMC-Report-English.pdf>

ROHS – Report <https://andino.systems/andino-io/emc/ROHS-IO.pdf>

REACH-Report <https://andino.systems/andino-io/emc/REACH-Clear%20Systems.pdf>