

Andino IO with 4G Modem - Datasheet

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

	SIM7600E
Power supply	3.4V ~ 4.4V
Power Consumption (mA)	LTE 2.3 WCDMA 3.3 GSM 2.8
Frequenz bands	LTE-FDD B1/B3/B5/B7/B8/B20 LTE-TDD B38/B40/B41 WCDMA B1/B5/B8 GSM 900/1800 MHz
Temperature	-40°C ~ +85°C
Software Protocol	TCP/IP/IPV4/IPV6/Multi-PDP/FTP/FTPS/http/HTTPS/DNS
Interface	UART, USB, ADC, SD Card, I2C
Regulatory	CE-RED/RoHS/REACH/ IMDA/GCF

See all Information about SIMCom SIM7600E under <https://www.simcom.com/product/SIM7600X.html>