

Andino Gateway 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	24V Input Option / 100-240V AC Input	Housing variant	Top-hat rail housing (Plastic)
Display	OLED Display in the housing included	RTC	Integrated, battery-buffered Real Time Clock, DS3231 Dallas Semiconductors Accuracy: ± 2ppm between 0 °C and +40 °C
EMC	DIN EN 61000-4-2/3/5/8	PCIe-Slot	Yes, possible 4G Modem (Option), LoRa Gateway (Option)
Size	151 mm x 107 mm x 95 mm	Weight	180 g
Temperature	Internal DS1820	BUS	Internal RS485 isolated, I2C

More information about the Andino Gateway under:

[Andino Gateway-Manual-4G-DE.PDF](#)

[Andino Gateway-Manual-4G-EN.pdf](#)

[Andino-Gateway-CE.PDF](#)

[Andino Gateway-EMC Report.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>