



UDOO™ NEO is an **open hardware low-cost computer** equipped with a Freescale[™] i.MX 6SoloX applications processor for Android and Linux.

The processor embeds an ARM® Cortex-M4 microcontroller which makes the board compatible with the Arduino[™] environment allowing **high performance** at a **low price**.

Ideal as a central element of more comprehensive projects, it easily enables the creation of a multitude of IoT applications, making the **UDOO NEO** even **more innovative and appealing**.

FEATURES		
	Processor	Freescale™ i.MX 6SoloX applications processor with an embedded ARM Cortex-A9 core and a Cortex-M4 Core
Ħ	Memory	512MB or 1GB DDR3 (only Plus version).
	Graphics	Integrated 2d/3d graphics controller
2	Video Out	HDMI interface LVDS interface + touch (I2C signals)
191	Video In	Analog camera connection supporting NTSC and PAL 8-bit parallel camera interface*
9	Mass Storage	NOR SPI Flash onboard MicroSD card slot onboard 8-bit SDIO interface*
ıl.ı	Audio	HDMI audio transmitter
₽ [−] *→	USB	1x USB 2.0 Type A ports 1x USB OTG (micro-AB connector)
£72	Networking	Fast ethernet RJ45 (10/100Mbps) Wi-Fi 802.11 b/g/n, Bluetooth 4.0 Low Energy Wi-Fi Direct Mode SmartConfig
0	Serial Ports	3x UART ports* 2x CAN Bus interfaces*
	Other Interfaces	8x PWM signals* 1x I2C interface* 1x SPI interface* 6x multiplexable signals*
	Power Supply	5 V DC Micro USB 6-15 V DC Power Jack Coin Cell RTC Battery Connector
11	LEDs	Green Power Status LED User Configurable Red LED
l	Integrated Sensors	3-Axis Accelerometer 3-Axis Magnetometer 3-Axis Digital Gyroscope
	Dimensions	56mm x68.6mm (2.2" x 2.7")
	Arduino Pinout	Arduino-Compatible through the standard Arduino Pins layout and compatible with Arduino shields.
	Digital I/O Pins	36 available GPIOs
	Analog Input Pins	6
os	Operating System	Android & Linux



Micro USB OTG

*Available on Pin Header

