Neutis Quad-Core Module

DEV-14971 ROHS

Ever since the Edison left us we've been looking for an equal or greater replacement to fill the hole in our hearts. Introducing the Neutis N5 Module from Emlid! This Quad Core System on a Module is perfect for makers and developers.

The Neutis N5 Module is loaded with features. Utilizing Neutis' BSP based on Yocto, the system arrives with an up to date Linux kernel. The module is powered by a 64-bit ARM Cortex-A53 and a ARM Mali450 MPR GPU. It has 512MB of RAM and 8GB eMMC storage. For connectivity, there are a plethora of wired and wireless options at your disposal. For wireless needs, the system rocks 802.11 b/g/n and Bluetooth 4.0 Dual-mode BLE all with the built-in antenna. For your wired needs, the module's two connectors give you access to an incredible peripheral set including over 50 GPIO and a multitude of interfaces. Checkout the features tab for a full listing.

In today's environment, we can't forget about security. The Neutis N5 comes with the ATECC508A Secure Element for storing cryptographic keys, unique IDs, and supports the creation of FIPS random numbers.

This module can do a lot but is really meant to be embedded into a system. If you're looking to kick the tires quickly be sure to checkout the Neutis Development Kit which breaks out the Neutis N5 to a variety of easy to use connectors and headers.

FEATURES

- Processor: Quad Core 64 bit Arm Cortex-A53 with a max frequency of 1.3 GHz
- GPU: Mali 450 MP4
- RAM: 512MB DDR3
- Storage Memory: 8GB
- Wi-Fi: 802.11 b/g/n
- Bluetooth: 4.0 Dual-Mode BLE
- Operating Temperature: -20 C to +70C
- Storage Temperature: -40C to +85C
- Board Connectors: 2x DF40 80-pin
- Antenna: Onboard Ceramic