

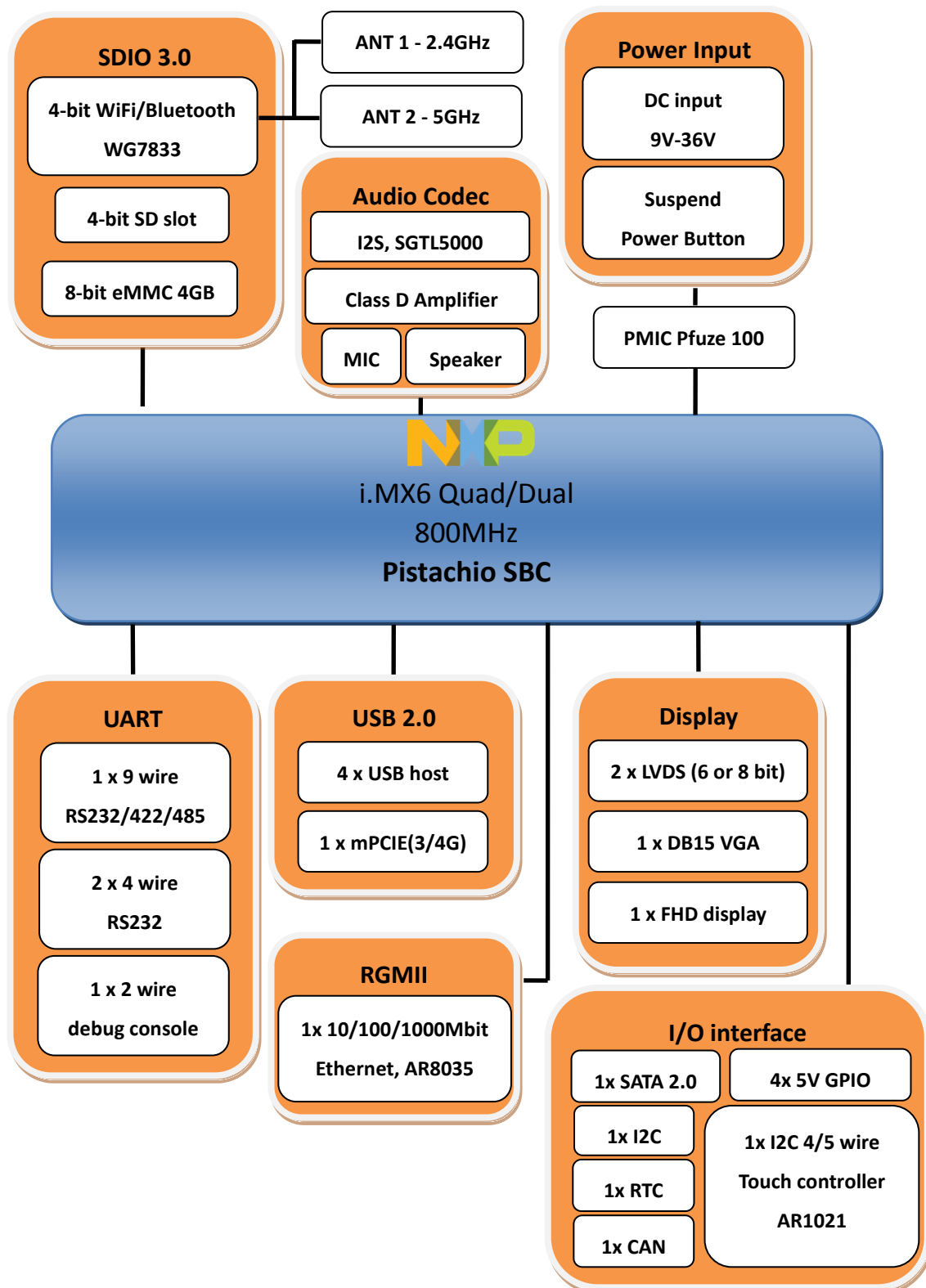
## 3.5 inch Single-Board-Computer | Pistachio

### Key Features

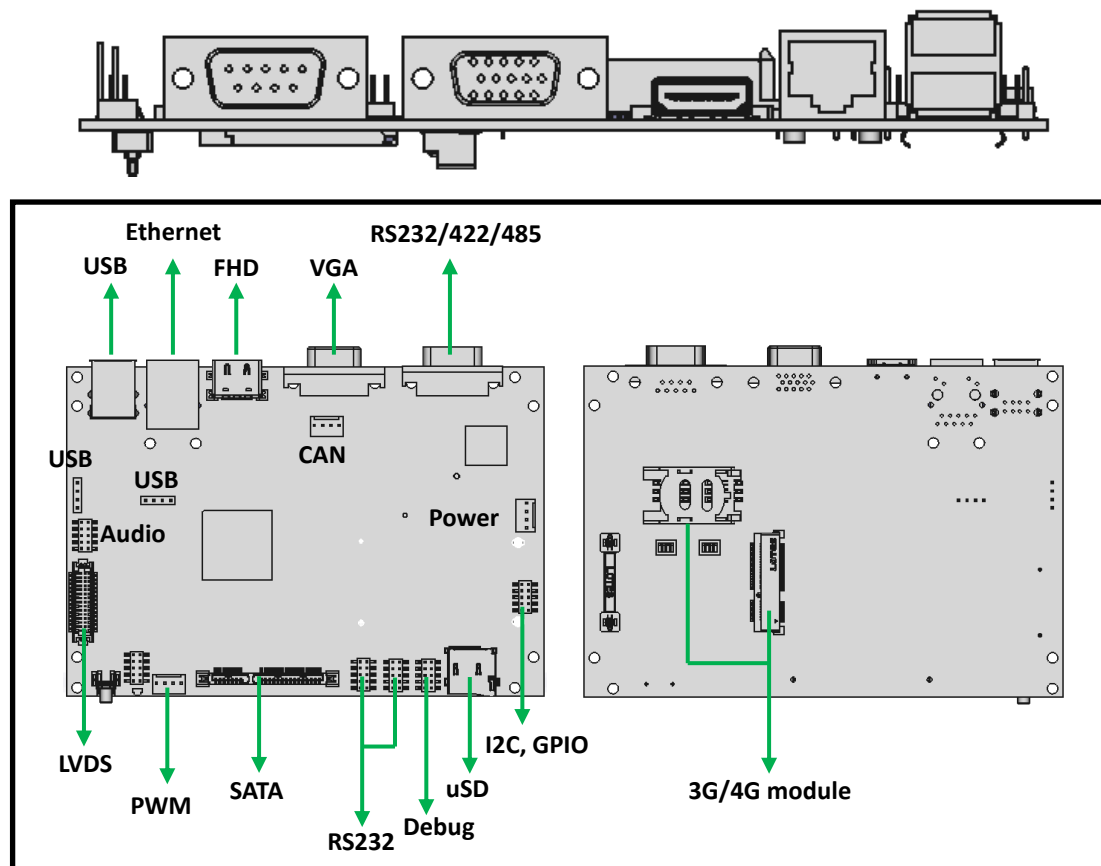
- Industrial design
- -30~70°C operating temperature
- ✓ NXP ARM-Cortex A9 IMX6 800MHz
- ✓ 9-36 VDC Input
- ✓ Full Open Source Support on Linux base OS
- ✓ Hardware testing before shipping
- ✓ Long Life time support: 5 years



Specifications	Pistachio
<b>System</b>	
CPU	NXP ARM Cortex-A9 IMX6 Quad/Dual 800MHz
Memory	Up to 2GB LPDDR3
Storage	4GB eMMC
PMIC	NXP PFUZE100
WiFi/Bluetooth	802.11a/b/g/n, BT v4.2
RTC	x1 for short time saving (default is no coin battery)
<b>I/O</b>	
Network	10/100/1000Mb RGMII Ethernet
USB Host	x4
Serial Port	RS232/422/485 x1, RS232 x3 ( one is debug console)
CAN bus	x1
I2C	x1
PWM	x1
I2C Touch	x1
Audio	x1 with class D Amplifier
SD slot	x1
GPIO	x4 (5 Volt)
Display	LVDS x2, VGA x1 (24-bit RGB), FHD x1
SATA	x1
mPCIE	x1, SIM card slot x1
<b>Software</b>	
Linux Kernel	4.1.15 ↑
OS	Debian, Buildroot, Yocto, Android
<b>Environmental</b>	
Dimension	148 x 102mm
Certification	CE, FCC, RoHS, EMI, ESD and Surge for pre-testing



**Block Diagram**



**Preview Pistachio Connectors**

## Ordering Information



**NutsBoard**

<http://www.nutsboard.org>

[nutsboard@gmail.com](mailto:nutsboard@gmail.com)

Please contact us for your applications.

Part No.	Description
Pistachio-SMX6Q-D2048-WB	Quad-core, 2G RAM, WiFi/Bluetooth
Pistachio-SMX6D-D2048-WB	Dual-core, 2G RAM, WiFi/Bluetooth
<b>Pistachio-SMX6D-D1024</b>	<b>Dual-core, 1G RAM</b>

**Red color** means coming soon.