2017-2018 Industrial Board Computing

Pieckboard

Stylish:
Pieckboard is combined an ARM based industrial grade System-on-Module and Carrier Board with open source software, so it is very flexible.

- ✓ VGA output display (maximum: 1366x768)
- ✓ NXP ARM-Cortex A7 i.MX6UL 540MHz
- ✓ Industrial design
- ✓ Wide range power input: 9~24 Volt
- ✓ -40~85°C operating temperature
- ✓ Full Open Source Support on Linux base OS
- ✓ Hardware testing before shipping
- ✓ Long Life time support: 5 years

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Diversity Software Applications

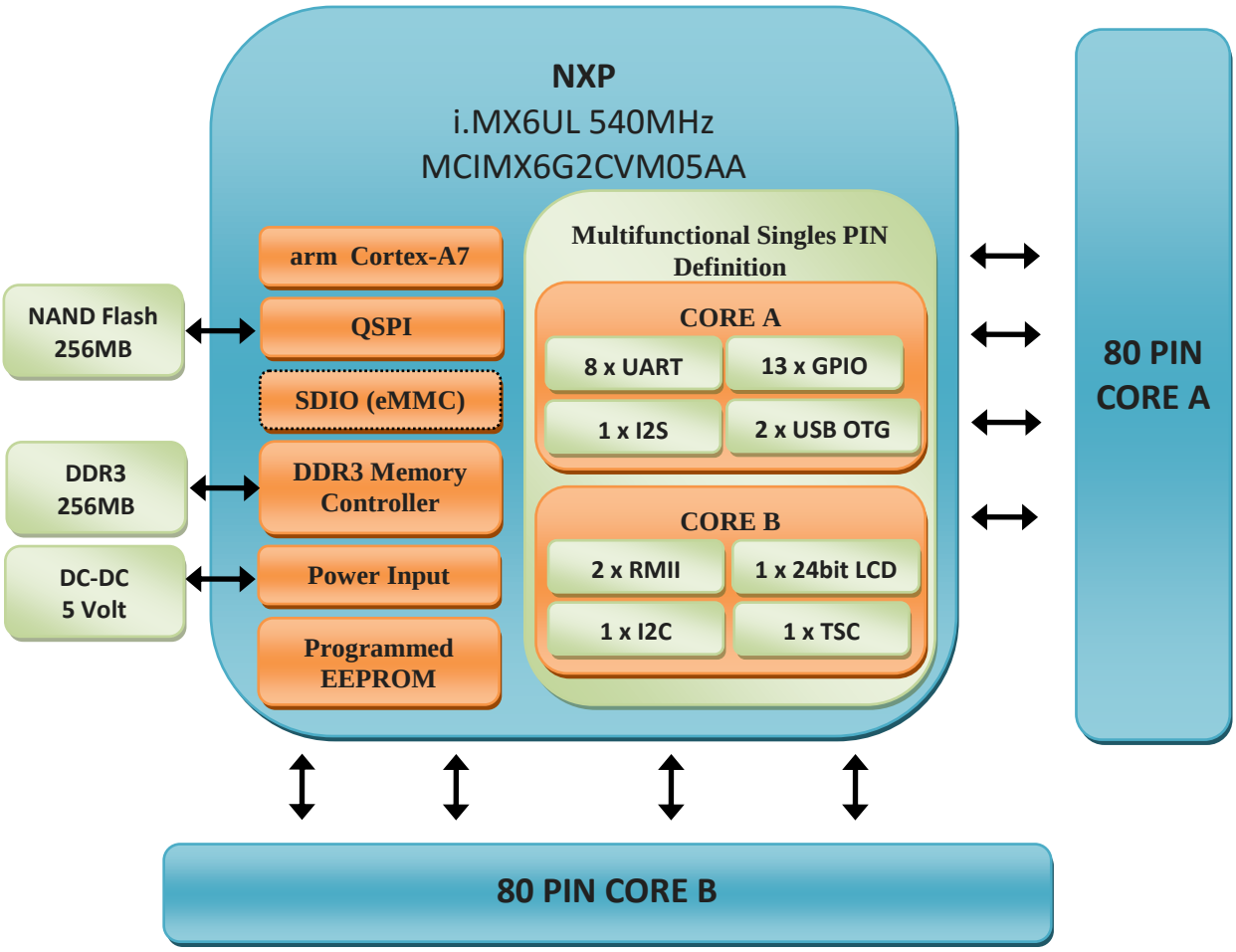
MayQueen Pieckboard come with fully open source code and runtime image for the different applications, supporting operating systems as following:

- ✓ U-boot 2015.04
- ✓ Linux Kernel 4.1.15, 4.9.11-LTS (5 years support)
- ✓ Standard OS support:
  - ➢ Yocto 2.2 and above
- ✓ MayQueen featured OS support:
  - ➢ Industrial BuildRoot 201708 distribution with Web-of-Things Framework
- ✓ All releases supporting 5 years update and maintenance

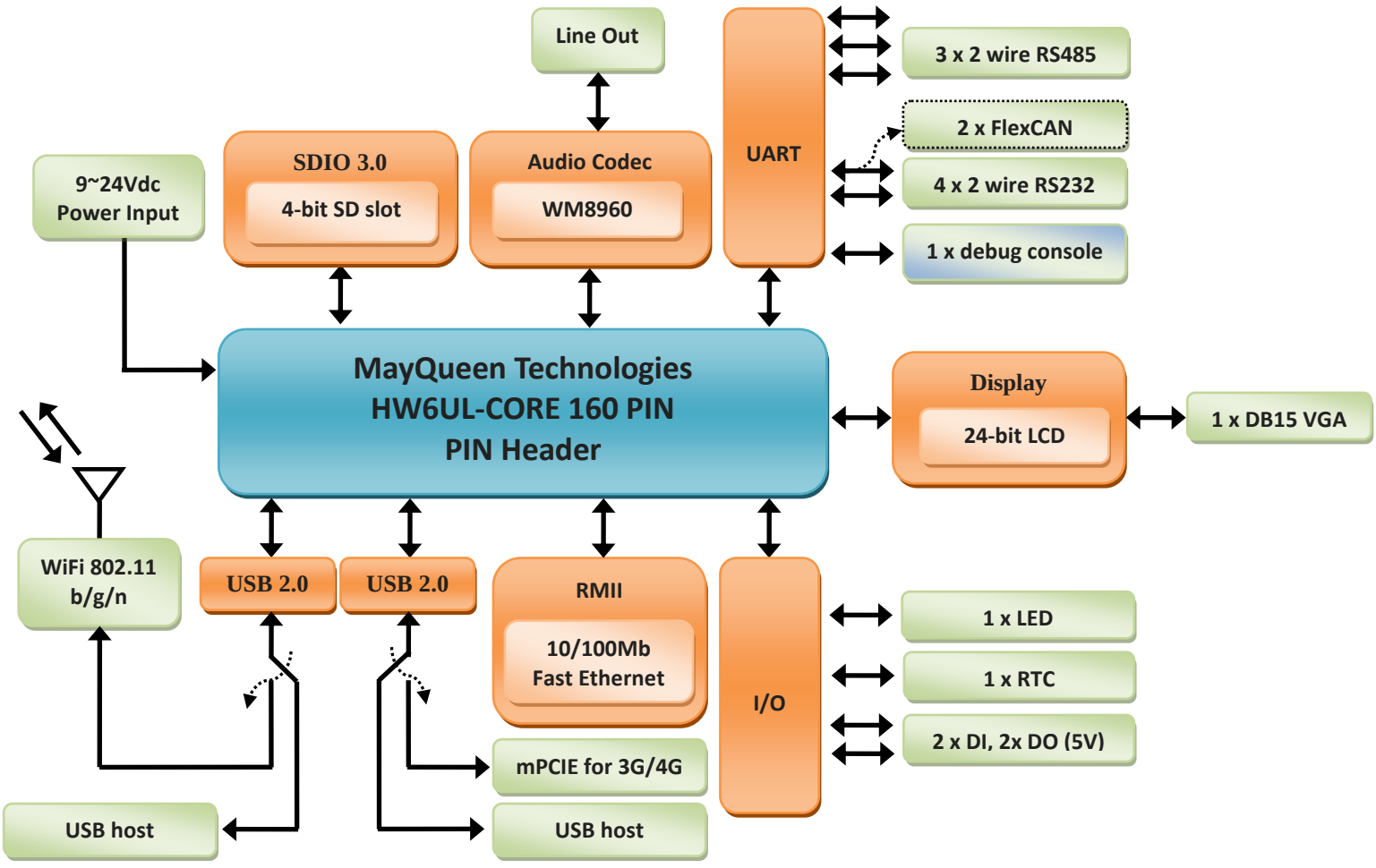
NutsBoard Pistachio series also supporting features functions and middleware:

- ✓ Operating System optimization
- ✓ Operating System virtualization
- ✓ Real-Time Linux technology support
- ✓ Supporting software libraries for Industrial protocols

Pieckboard Block Diagram – System-on-Module part



Pieckboard Block Diagram – Carrier board part



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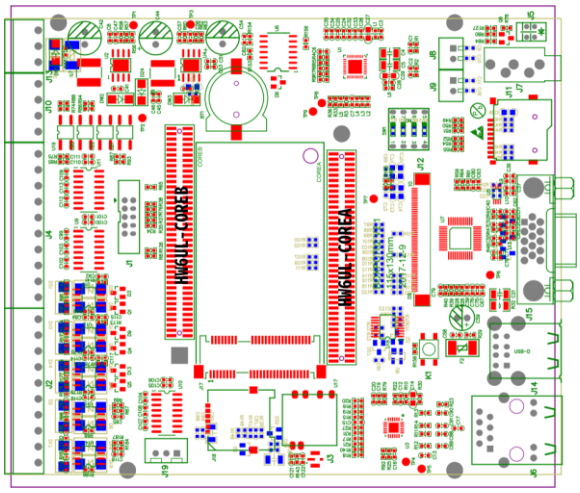
Pieckboard Hardware Specifications

Specifications	Coconut
System	
CPU	NXP ARM Cortex-A7 IMX6UL 528MHz
Memory	256MB LPDDR3
Storage	256MB NAND Flash
RTC	x1 (default is no coin battery)
Power input range	9~24Volt
I/O	
Network	10/100Mbit RMII Ethernet
Wireless	WiFi 802.11 b/g/n
USB Host	x2
Serial Port	RS232 x4 RS485 x3 debug console x1
CAN bus	x2
Audio	1x LINE OUT
SD slot	x1
Display	VGA x1 (24-bit RGB)
GPIO	1x LED, 2 x DI, 2 x DO (5 Volt)
Environmental	
Dimension	130(W) x 123(H) x 9.5(D) mm
Certification	EMI, EMC pre-testing
Operating Temperature	-40 to 85℃
Operating Humidity	10% to 90%



Compatible with HW6UL-CORE System-on-Module :
Pieckboard is combine HW6UL-CORE System-on-Module onto our own carrier board, all component is designed using industrial grade, you can choose many different applications what you want.

- ✓ RoHS Certification
- ✓ MTBF: 50000 Hours
- ✓ Shock: 50G / 20ms
- ✓ Vibration: 50-500Hz, 0.1mm, 1.5g

Ordering Information:

Part No.	Description
PIECK-HW6UL-D256-N256	i.MX6UL, 256MB DRAM, 256MB NAND, WiFi support
HW6UL-CORE-D256-N256	i.MX6UL, 256MB DRAM, 256MB NAND System-on-Module

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Please contact us and discuss for your applications