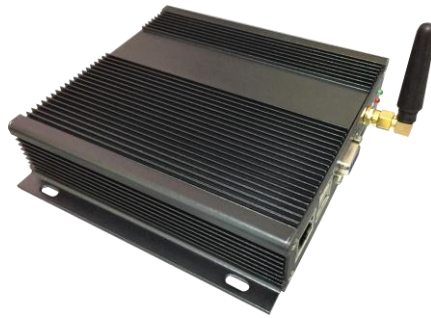


# 2017-2018 Fanless Computing

## Panzer



### Stylish:

Panzer is an ARM based industrial grade fanless computing with open source software, so it is very flexible.

- ✓ VGA output display (maximum: 1280x800)
- ✓ NXP ARM-Cortex A7 i.MX6UL 528MHz
- ✓ Industrial design
- ✓ -40~85°C operating temperature
- ✓ Full Open Source Support on Linux base OS
- ✓ Hardware testing before shipping
- ✓ Long Life time support: 5 years
- ✓ Warranty: 1 years or above (optional)



## Diversity Software Applications

MayQueen Panzer fanless computing 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 2.1 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

### CUSTOMER SERVICES

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### DISTRIBUTORS

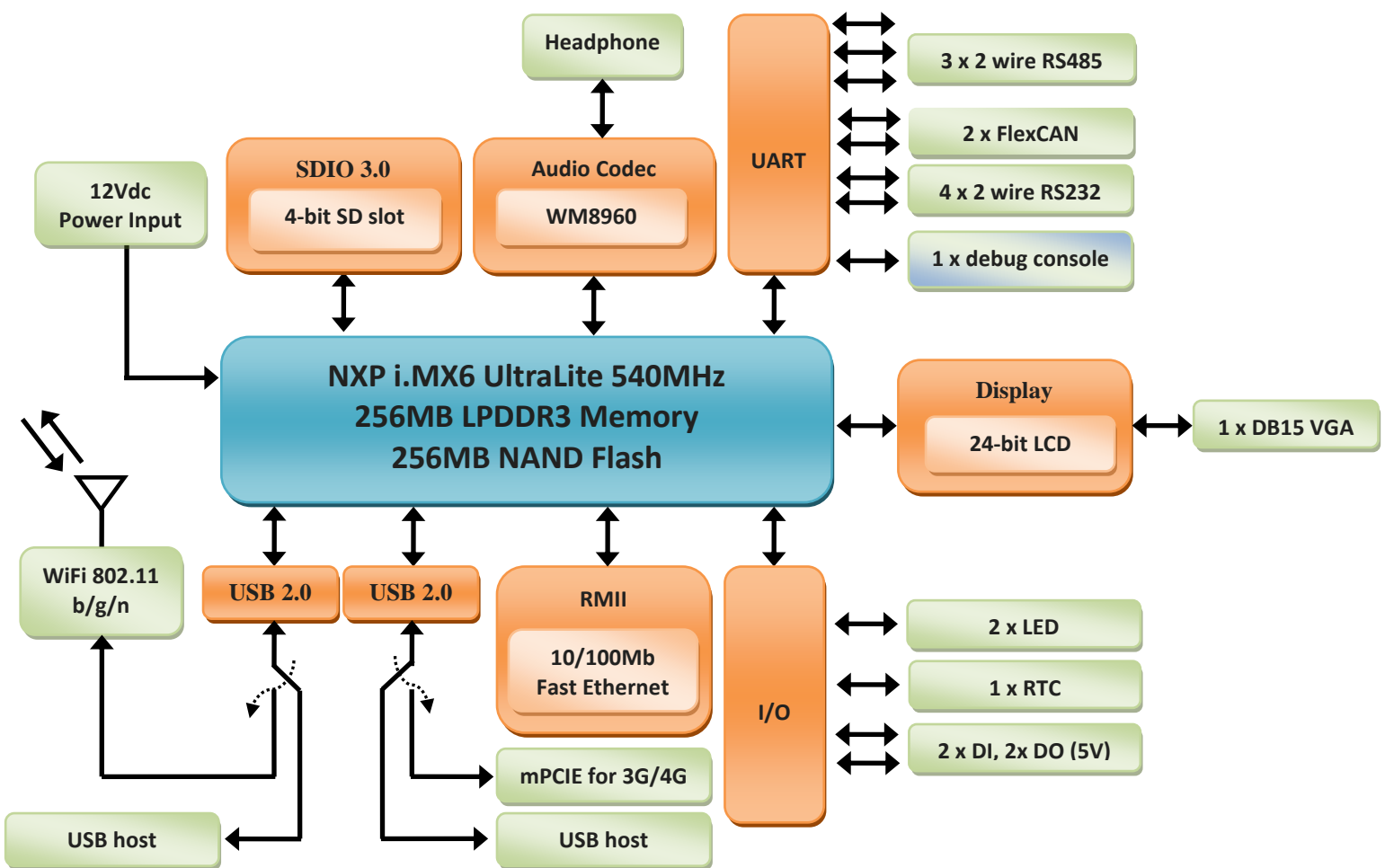
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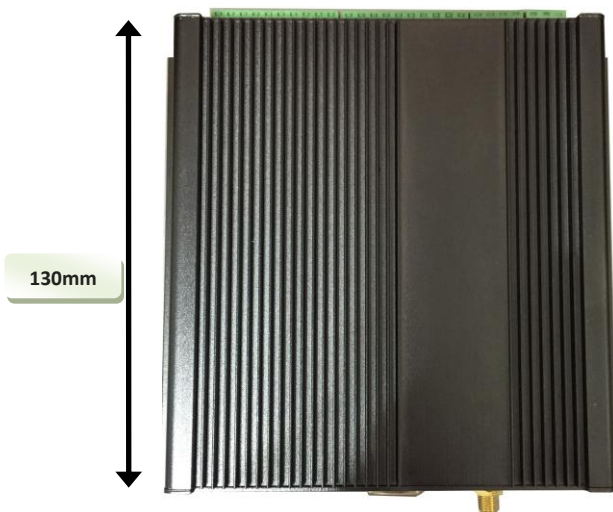
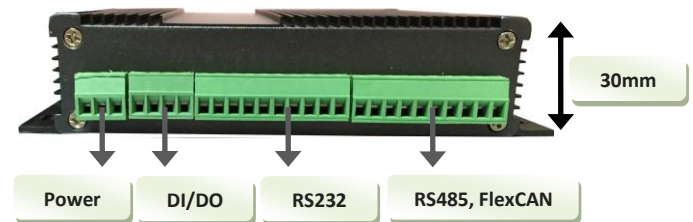
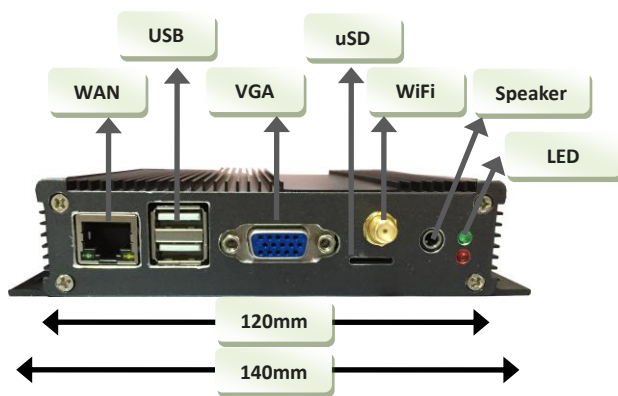
# 2017-2018 Fanless Computing

## Panzer Block Diagram



# 2017-2018 Fanless Computing

## Main Panzer Functions & Dimensions



# 2017-2018 Fanless Computing

## Panzer Hardware Specifications

Specifications	Coconut
<b>System</b>	
CPU	NXP ARM Cortex-A7 IMX6UL 540MHz
Memory	256MB LPDDR3
Storage	256MB NAND Flash
RTC	x1 (default is no coin battery)
Power input range	12 Volt
<b>I/O</b>	
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	2x LED, 2 x DI, 2 x DO (5 Volt)
<b>Environmental</b>	
Dimension	140(W) x 130(H) x 30(D) mm
Certification	EMI, EMC pre-testing
Operating Temperature	-40 to 85°C
Operating Humidity	10% to 90%



### Rugged Fanless Computing:

Panzer is combine HW6UL-CORE System-on-Module onto baseboard with stable metal case, in order to its robust industrial interfaces, you can choose many different applications what you want.

- ✓ RoHS Certification
- ✓ MTBF: 50000 Hours
- ✓ Vibration: 50-500Hz, 0.1mm, 1.5g

### Ordering Information:

Part No.	Description
Panzer-6UL-D256-N256	i.MX6UL, 256MB DRAM, 256MB NAND, WiFi support

<http://www.mayqueentech.com>

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Please contact us and discuss for your applications