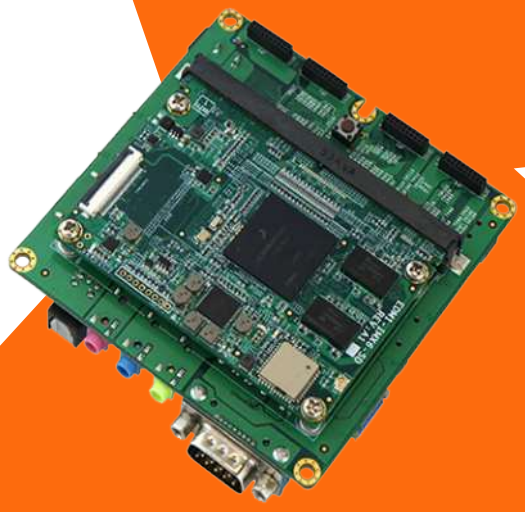
WANDBOARD.ORG

# NXP i.MX6 Cortex-A9

low cost open source community development board

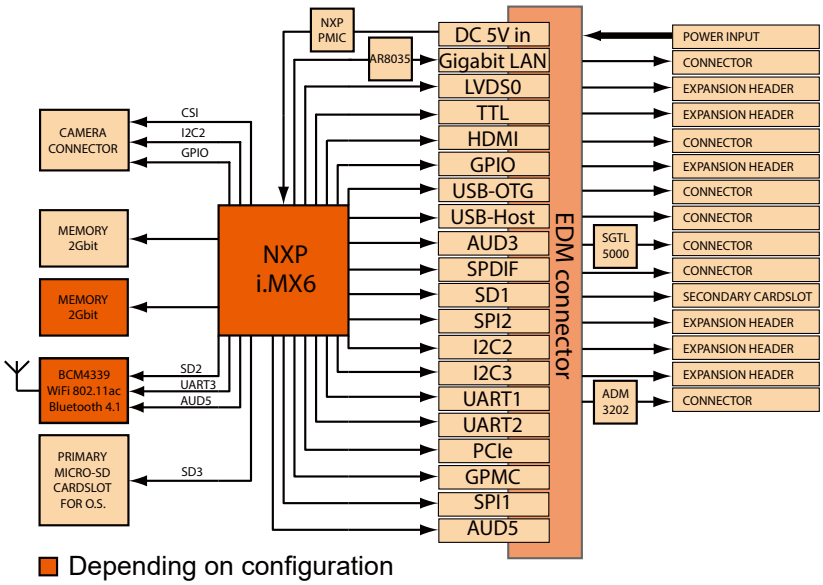


## Specifications

| | Wandboard Solo | Wandboard Dual | Wandboard Quad | Wandboard Quad Plus |
|---|---|---|---|---|
| **Processor** | NXP i.MX6 Solo | NXP i.MX6 DualLite | NXP i.MX6 Quad | NXP i.MX6 QuadPlus |
| **Architecture** | ARM Cortex-A9 | ARM Cortex-A9 | ARM Cortex-A9 | ARM Cortex-A9 |
| **PMIC** | x | NXP MMPF0100 | NXP MMPF0100 | NXP MMPF0100 |
| **Memory** | 512 MB DDR3 | 1 GB DDR3 | 2 GB DDR3 | 2 GB DDR3 |
| **Storage** | MicroSD Cardslot | MicroSD Cardslot | MicroSD Cardslot | MicroSD Cardslot |
| **Gigabit LAN** | ✓ | ✓ | ✓ | ✓ |
| **WiFi/Bluetooth** | x | ✓ | ✓ | ✓ |
| **Audio** | ✓ | ✓ | ✓ | ✓ |
| **Optical S/PDIF** | ✓ | ✓ | ✓ | ✓ |
| **HDMI** | ✓ | ✓ | ✓ | ✓ |
| **Camera interface** | ✓ | ✓ | ✓ | ✓ |
| **Serial port** | ✓ | ✓ | ✓ | ✓ |
| **Expansion header** | ✓ | ✓ | ✓ | ✓ |
| **USB** | ✓ | ✓ | ✓ | ✓ |
| **USB OTG** | ✓ | ✓ | ✓ | ✓ |
| **SATA connector** | x | x | ✓ | ✓ |

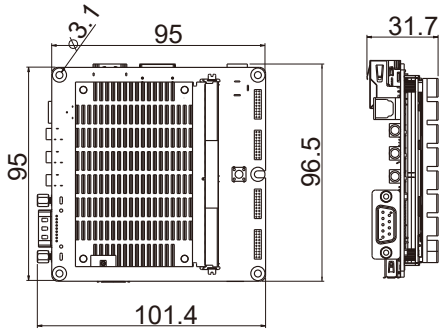
Complete Schematics, Source Code and Documentation can be found on: www.wandboard.org

## Block Diagram




Depending on configuration

## Dimensional Drawing




## Order Information

| Model Name | Description |
|---|---|
| WB-IMX6S | Wandboard i.MX6 Solo |
| WB-IMX6U-BW | Wandboard i.MX6 DualLite |
| WB-IMX6Q-BW | Wandboard i.MX6 Quad |
| WB-IMX6QP-BW | Wandboard i.MX6 QuadPlus |
| WBENCLOSURE | Wandboard enclosure |
| WBANTENNAKIT | Wandboard antenna kit |
| CAM-OV5645 | Camera module |