



SPECIFICATION

MODULE NO.: WUAAAA120V101ATCGX00

Embedded Motherboard Specification

| Form Factor | Description | |
|-------------------------|---|--|
| Processor System | NXP i.MX6 Family, Base on ARM Cortex-A9 processor | |
| | Cpu | iMX6 Q - Quad core 1.0GHz (Quad core up to 1GHz per core) iMX6 DL - Dual core 1.0GHz (Dual core up to 1GHz per core) iMX6 S – Solo core 1.0GHz (Single core up to 1GHz per core) |
| Memory | Memory | Onboard DDR3L 1GB x64 bit (2GB Max) |
| | Mass storage | On-board eMMC drive, up to 8GB(128GB Max) |
| Video | LVDS | 2 x 24 bit LVDS (1024*600、1024*768 or 1280*800; 1 reserved) |
| | RGB | 24-bits TTL with DE+ H/V sync(800*480) |
| Graphic | Graphic engine | Dedicated 2D Hardware accelerator Dedicated 3D Hardware accelerator(Supports OpenGL ES2.0 3D) |
| | H/W Video codec | Support MPEG 1/2/4, H.264 Hardware Decoder. |
| | Display | Support 2 independent display with iMX6DL and i.MX6S Support 3 independent display with iMX6D and i.MX6Q |
| Network | Ethernet | 1 GbE + IEEE1588 with RJ45 slot |
| USB | USB | 2 Standard USB 2.0 type A ; 1 x USB 2.0 OTG 2 x USB 2.0 with pin header |
| Audio | Audio | Wolfson Audio codec Mic in, Line out internal pin header |
| I/O | Serial port | 1 x RS232 (DB9 ; console,) ; 1 x RS485/422/232 (ePHD Housing) ; |
| | SPI | 2 (Host, reserved) |
| | IIC | 2 (Client,1 for PCAP use) |
| | GPIO | 16-pin 3.3V TTL Level GPIOs |
| Touch Panel | Resistive | 4-wire Resistive type(onboard) |
| | Capacitive | CTP is driven IIC interface |
| Clock | RTC | RTC Circuitry for low power consumption option RTC Battery with lead cable and connector |

| | | |
|-------------------------|-------------------------------|---|
| Expansion | SD Socket | 1 * μ SD Slot (support up to SDXC) |
| | WIFI/BT | BLE 4.0 (SDIO interface for option WIFI Module) |
| Power | Voltage | DC12V \pm 10% |
| | Consumption | 2.5W |
| Environment | Temperature | -10°C ~ 60°C (Operating) |
| | | -20°C ~ 70°C (Storage) |
| Dimension | 114mm * 95mm*20mm | |
| Operating System | Android 4.2.2 (WUAAAA Series) | |
| Certification | CE/FCC Class B | |

General Specifications

| Item | Dimension | Unit |
|--------------------------------|--|------|
| Size | 10.1 | Inch |
| Dot Matrix | 1024 x RGB x 600(TFT) | Dots |
| Module Dimension | 235(W) x 143(H) x 5.36(D) | mm |
| Active Area | 222.72 (H) x 125.28(V) | mm |
| Dot Pitch | 0.2175(W) x 0.2088(H) | mm |
| LCD Type | TFT, Normally White, Transmissive | |
| View Direction | 12 o'clock | |
| Gray Scale Inversion Direction | 6 o'clock | |
| Aspect Ratio | 4:3 | |
| Backlight Type | LED, Normally White | |
| Touch Screen | Projected Capacitive Touch Screen (PCAP) | |
| Interface | LVDS | |

