

CPU

NXP i.MX 6ULL 528 MHz ARM® Cortex® -A7 core,

Support system diversification

Linux Yocto System
Support QT5 visual development platform

Wireless

Mezzanine module that combines the i.MX 6ULL with 512MB DDR3 and 8GB eMMC.

Application field

Suitable for communications, smart home, smart healthcare, Internet of Things (IoT) applications

Power Consumption

Power optimization to the extreme.

Compatibility

Open interface definition, support size, function customization
Accept custom CarryBoard,

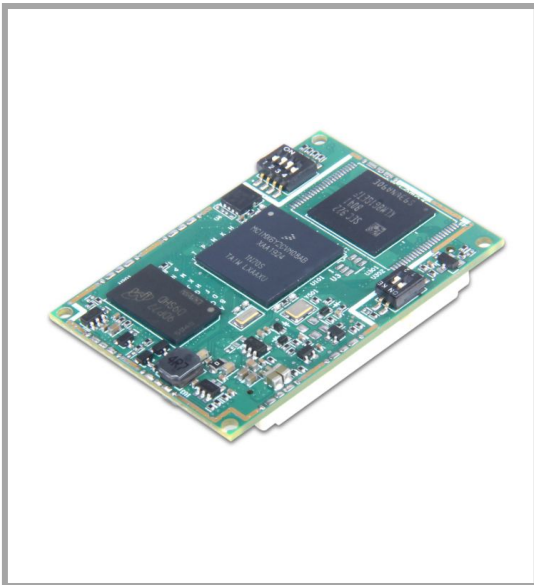
Wide operating temperature

Commercial grade operating temperature: 0° C to +95° C
Industrial grade operating temperature: -40° C to +105° C(optional)

Enterprise service

Provide comprehensive quality assurance, after-sales service and technical support

Product Specification



| | |
|------------------|--|
| CPU | NXP i.MX6ull |
| CPU Frequency | 792 MHz(up to 900 MHz, 128 KB L2 cache) 900MHz(optional) |
| Internal Memory | 512MB / 1GB DDR3L 16-bit LP-DDR2, DDR3/DDR3L |
| Internal Storage | 4G/8G eMMC 8/16-bit Parallel NOR FLASH / PSRAM Dual-channel Quad-SPI NOR FLASH 8-bit Raw NAND FLASH with 40-bit ECC |
| OS | Linux/Yacto |
| Switch1 (2 PIN) | Burn and start |
| Switch2 (4 PIN) | Boot mode selection |

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|-------------------------------------|--|
| Expansion connector (80 pin) | UART*5, SPI*1, SNVS*6, SDIO*1, I2C x2, GPIO x7, DC Power, RTC Power MIPI CSI*1 USB OTG *2, 10/100 ENET *2 |
|-------------------------------------|--|

| | |
|-----------------------|--------------------------|
| Industrial grade | -40 to +105 |
| Size (mm) | 50*35 |
| Net Weight (g) | 10 |
| Power | DC:+3.7V to +6.5V |
| Operating Temp | -25 °C to +85°C |