



- Industrial & jumper-less design
- Power on/off test over 100 times before shipment
- NXP i.MX6 DualLite 1.0 GHz Cortex-A9
- On-board DDR3 1GB
- 1 x 18/24-bit LVDS output
- 1 x HDMI 1920x1080
- 1 x 10/100/1000 Mbps Ethernet
- 3 x USB 2.0 (2 x external + 1 x internal)
- 1 x RS-232 (2-wire)
- 1 x RS-485 (3.5mm terminal block)
- 1 x CAN
- 1 x mini-PCIe for WLAN/WWAN support

Specifications

System

CPU	NXP i.MX6 DualLite 1.0 GHz Cortex-A9
System Memory	Onboard 1GB DDR3-800 SDRAM
Flash	8MB NOR Flash
HDMI	1 x HDMI 1920x1080
LVDS	1 x 18/24-bit LVDS
Watchdog	1~256 level (0.5 second/level)

I/O

LAN	1 x 10/100/1000 Mbps (RJ45 with LED x 2)
USB	1 x USB (miscellaneous header) 1 x 2 ports USB 2.0 (double-deck connector)
Serial Port	1 x RS-232 (2-wire) header 1 x RS-485 (3.5mm terminal block)
CAN	1 x CAN (miscellaneous header)
SD	1 x standard SD slot

Expansion

PCIe	1 x full size mini PCIe (PCIe & USB signal)
SIM	1 x SIM card header

Software

Yocto	Daisy 1.6.2
WEC	Windows Embedded Compact 7 (customization)

Power

DC-input	5V (4.75V~5.25V)
Control	Power on by DC attached or via power button.
Consumption	~3W

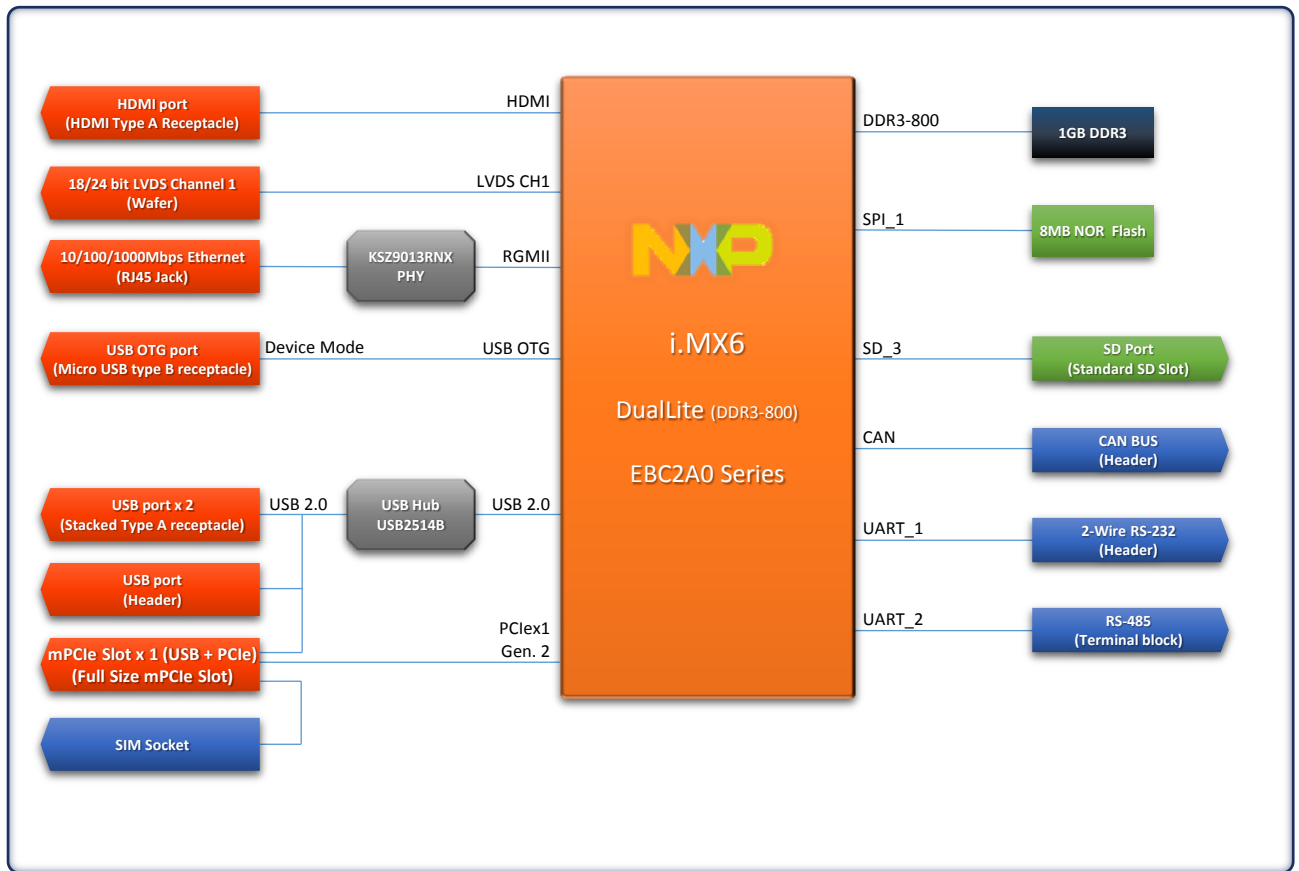
Mechanical & Environmental

Operating Temperature	-20°C ~ 70°C
Operating Humidity	5%~95% Relative Humidity, Non-condensing
Dimensions	PICO-ITX (100 x 72 mm)

Certification

CE/FCC Class B

Block Diagram



Ordering Information

Part No.	Description
EBC-2A0	2.5" P-ITX, i.MX6DL 1GHz, DDR3 1GB, mPCIe, HDMI/LAN/3xUSB/RS-232/RS-485/CAN/5V

Packing List

Part No.	Description	Qty.
EBC-2A0	2.5" P-ITX, i.MX6DL 1GHz, DDR3 1GB, mPCIe, HDMI/LAN/3xUSB/RS-232/RS-485/CAN/5V	1

Optional Accessories

Part No.	Description
7400025002X00	Adapter 25W, 5V/5A DC output (100~240 VAC input)
60233POW18X00	Power adapter cord 180cm (EU)
60233POW17X00	Power adapter cord 180cm (US)
	8GB MLC SD card with Yocto 1.6.2 for EBC2A0