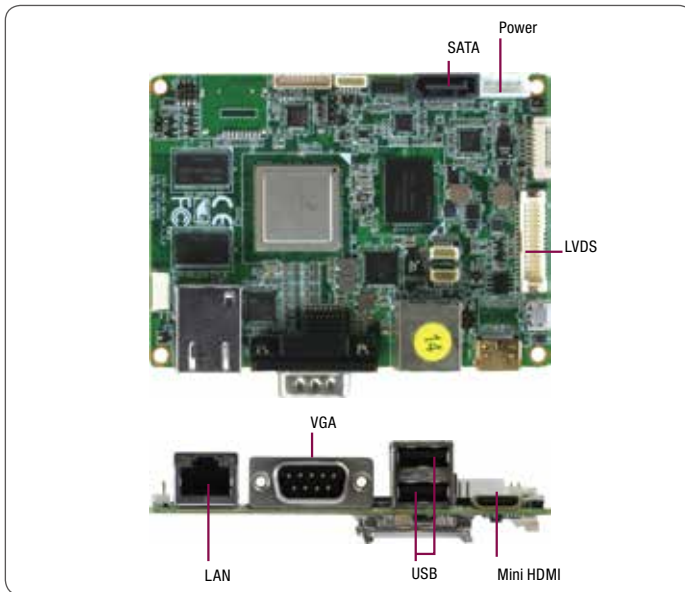


PICO-IMX6

Pico-ITX Fanless board with Freescale ARM Cortex-A9 I.MX6 SoC



Features

- Freescale(r) i.MX6 Quad Automotive/DualLite Commercial Processor
- Onboard DDR3 Memory 1 GB
- Gigabit Ethernet x 1
- 18-bit Single-Channel LVDS, Micro HDMI
- High Definition Audio Interface
- SATA x 1, MicroSD Slot, eMMC (Optional, up to 16GB)
- USB 2.0 up to 4, USB OTG x 1, Mini-PCIe x 1, CANBus
- +12V Power Input

Specifications

System	
Form Factor	Pico-ITX
Processor	Freescale i.MX6 Quad/Dual Lite
System Memory	DDR3 1 GB
Chipset	Freescale i.MX6 Quad/Dual Lite
I/O Chipset	—
Ethernet	AR8033, Gigabit Ethernet Controller, RJ-45 x 1
Watchdog Timer	—
H/W Status Monitoring	Supports power supply voltage and temperature monitoring
Expansion Interface	Mini-Card Slot with SIM (option)
Power Requirement	+12V, AT or ATX
Power Consumption (Typical)	Quad: 0.6A@12V, full load
Board Size	3.94" x 2.75" (100mm x 72mm)
Gross Weight	0.88 lb (0.4 kg)
Operation Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operation Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	—
Display	
Chipset	Freescale i.MX6
Memory	Shared memory: 512 MB/ DVMT 5.0
Resolution	HDMI: 1920 x 1080 LCD up to 1024 x 768
LCD Interface	18-bit single channel LVDS LCD
I/O	
Storage	SATA 3.0 Gb/s x 1, onboard eMMC, MicroSD slot
Serial Port	4-wire UART x 2
USB	USB 2.0 up to 4, USB OTG x1
Digital I/O	8-bit Digital I/O (Programmable)
Audio	MIC-In/ Line-out
CAN Bus section	CAN Bus x 1



Packing List

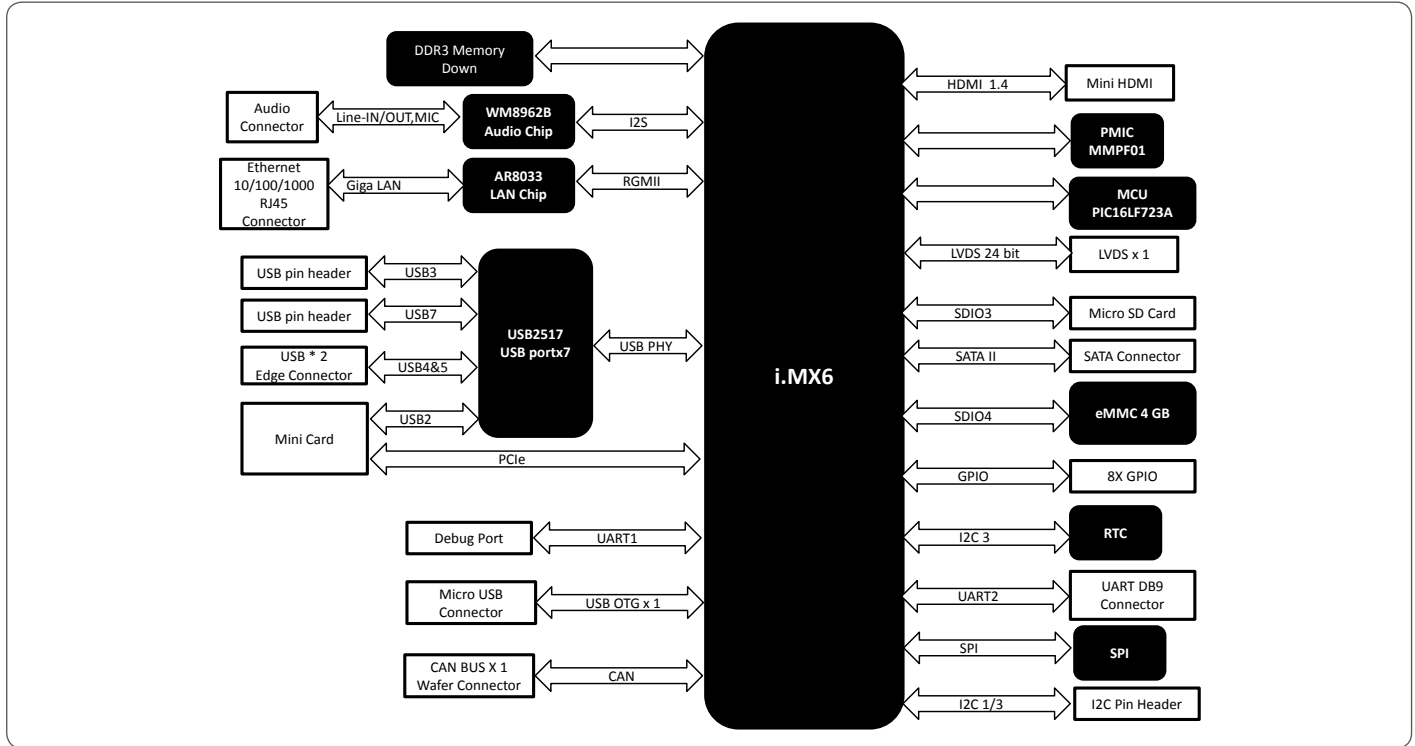
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Optional Accessories

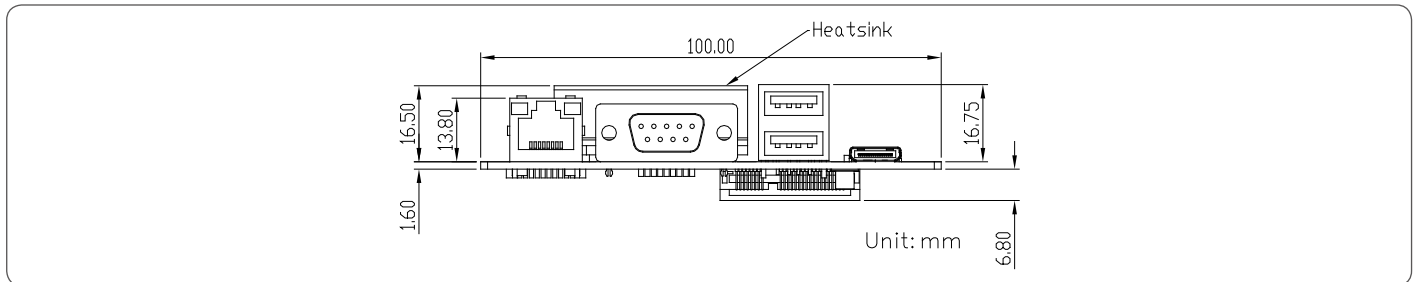
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PICO-IMX6

Block Diagram Unit: mm



Dimension Unit: mm



Ordering Information

Part Number	CPU	Memory	Display	LVDS	Storage	LAN	USB	UART	Expansion Slot	Power	Power Temp	Others
PICO-IMX6-A10	Freescle i.MX6 Quad 1.0 GHz Automotive grade	Onboard DDR3L 1 GB	miniHDMI	18b, 1CH	SATA 3.0 Gb/s x 1, uSD, eMMC	GbE x 1	USB2.0 x 3 + OTG	4-wire x 2	Mini-Card	12V	0°C ~ 60°C	SATA PWR
PICO-IMX6-A10-01	Freescle i.MX6 DualLite 1.0 GHz Consumer grade	Onboard DDR3L 1 GB	miniHDMI	18b, 1CH	SATA 3.0 Gb/s x 1, uSD, eMMC	GbE x 1	USB2.0 x 1 + OTG	4-wire x 2	—	12V	0°C ~ 60°C	—