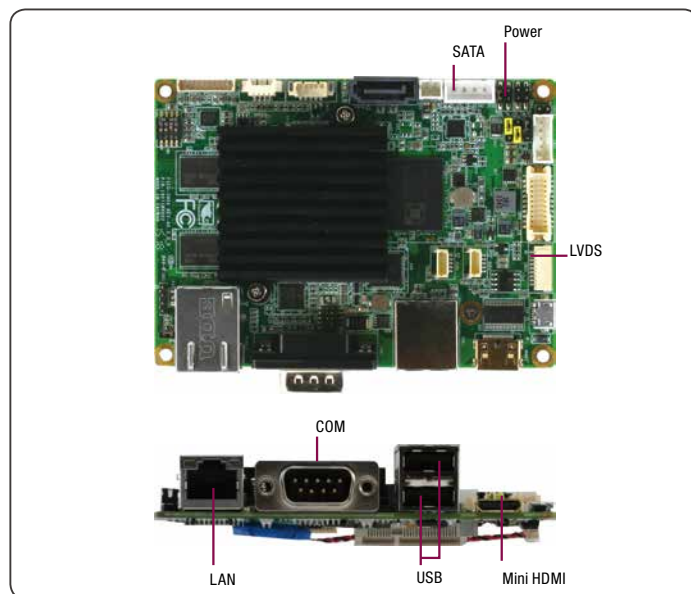


05 PICO-IMX6

Pico-ITX Boards

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



Features

- Freescale® i.MX6 Quad Automotive/DualLite Commercial Processor
- Onboard DDR3 Memory 1 GB
- Gigabit Ethernet x 1
- 18/24-bit Single-Channel LVDS, Micro HDMI
- High Definition Audio Interface
- SATA x 1, MicroSD Slot, eMMC up to 16 GB
- USB2.0 up to 4, USB OTG x 1, Mini-PCIe x 1, CANBus
- +12V Power Input

Specifications

System	
Form Factor	Pico-ITX
CPU	Freescale i.MX6 Quad 1.0 GHz Automotive Freescale I.MX6 Dual Lite 1.0 GHz Ex. Consumer
CPU Frequency	1.0 GHz Dual/Quad Core
Chipset	i.MX6
Memory Type	1GB DDR3
Max. Memory Capacity	2GB
BIOS	—
Wake On LAN	—
Watchdog Timer	Integrated
Power Requirement	12V
Power Supply Type	AT
Power Consumption (Typical)	0.6A@12V, full load, Quad CPU
System Cooling	Fanless, Heat-sink
Dimension	3.94" x 2.84" (100mm x 72mm)
Gross Weight	0.88lb (0.4 kg)
Operating Temperature	0°C ~ 60°C, -40°C ~ 85°C (optional)
Storage Temperature	-40°C ~ 85°C
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	80,000
Certification	CE/FCC
Display	
Chipset	Freescale i.MX6
Resolution	mHDMI, LVDS
LCD Interface	1ch 18b LVDS x 1
I/O	
Storage/SSD	SATA w/SATA PWR connector eMMC up to 16GB
Ethernet	GbE x 1
USB Port	Up to 4, one OTG port
Serial Port	4-wire UART x 2
Audio	Line-in, Speaker out, mic
DIO	8-bit
Expansion Slot	Mini-Card (Quad only), CAN Bus (optional)
SIM	Optional
TPM	—
Touch	—



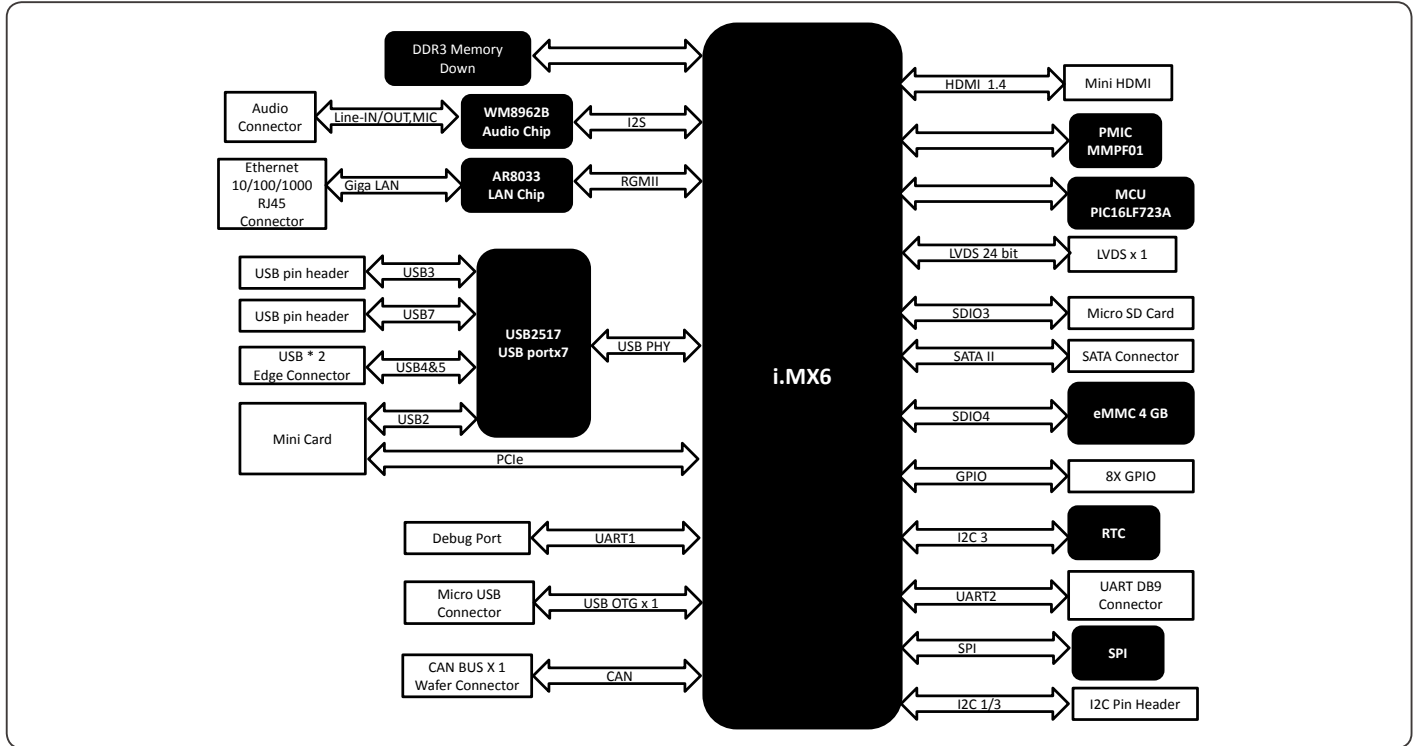
Packing List

- 170204010S
MB Power Cable
- 1701090152
COM Cable
- 1700050202 (Quad Only)
USB Cable
- Product DVD
- PICO-IMX6

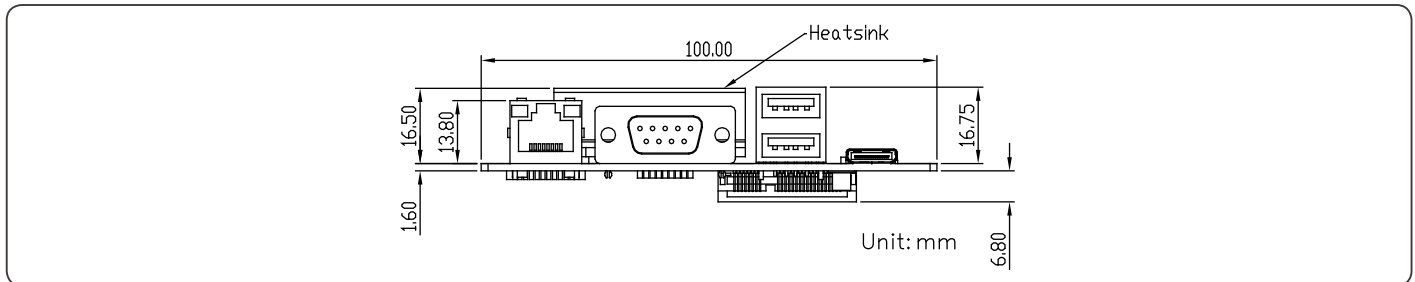
Optional Accessories

Part Number	Description	Qty.
1700050207	USB Cable, Length 20cm	1
1701090150	COM Cable, Length 15cm	2
1709100254	AUDIO Cable, Length 25cm	1
1701100156	Front Panel Cable, Length 15cm	1
170302010C	Buzzer Cable	1

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	Freescall i.MX6 Quad 1.0 GHz Automotive grade	Onboard DDR3L 1 GB	miniHDMI	18b, 1CH	SATA 3.0 Gb/s x 1, uSD, 4 GB eMMC	GbE x 1	USB2.0 x 3 + OTG	4-wire x 2	Mini-Card	12V	32°F ~ 131°F (0°C ~ 60°C)	SATA PWR
PICO-IMX6-A10-01	Freescall i.MX6 DualLite 1.0 GHz Consumer grade	Onboard DDR3L 1 GB	miniHDMI	18b, 1CH	uSD	GbE x 1	USB2.0 x 1 + OTG	4-wire x 2	—	12V	32°F ~ 131°F (0°C ~ 60°C)	—