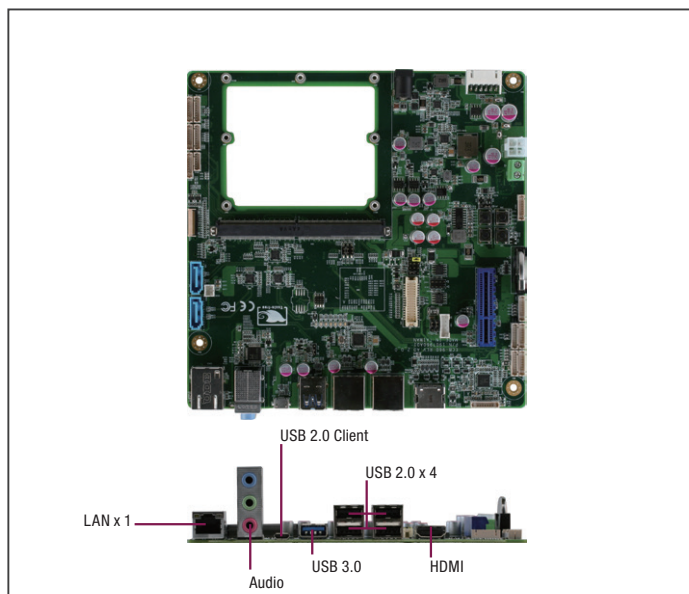


SMARC Carrier Board for x86 Solutions



Features

- Support x86 Based SMARC Module
- Supports Gigabit Ethernet, RJ-45 x 1
- HDMI, 18/24-bit Single Channel LVDS
- High Definition Audio
- I2C Interface, SPI Interface, UART x 2
- PCI-Express [x1] x 3
- SATA 3.0 Gb/s x 2, USB2.0 x 4, USB2.0 Device Mode x 1
- microSD CARD Slot
- CSI Interface for Camera (Optional)
- Mini-ITX Form Factor (170 mm x 170mm)
- SMARC SPEC: Version 1.1

Features only available if the SMARC module supports it

Specifications

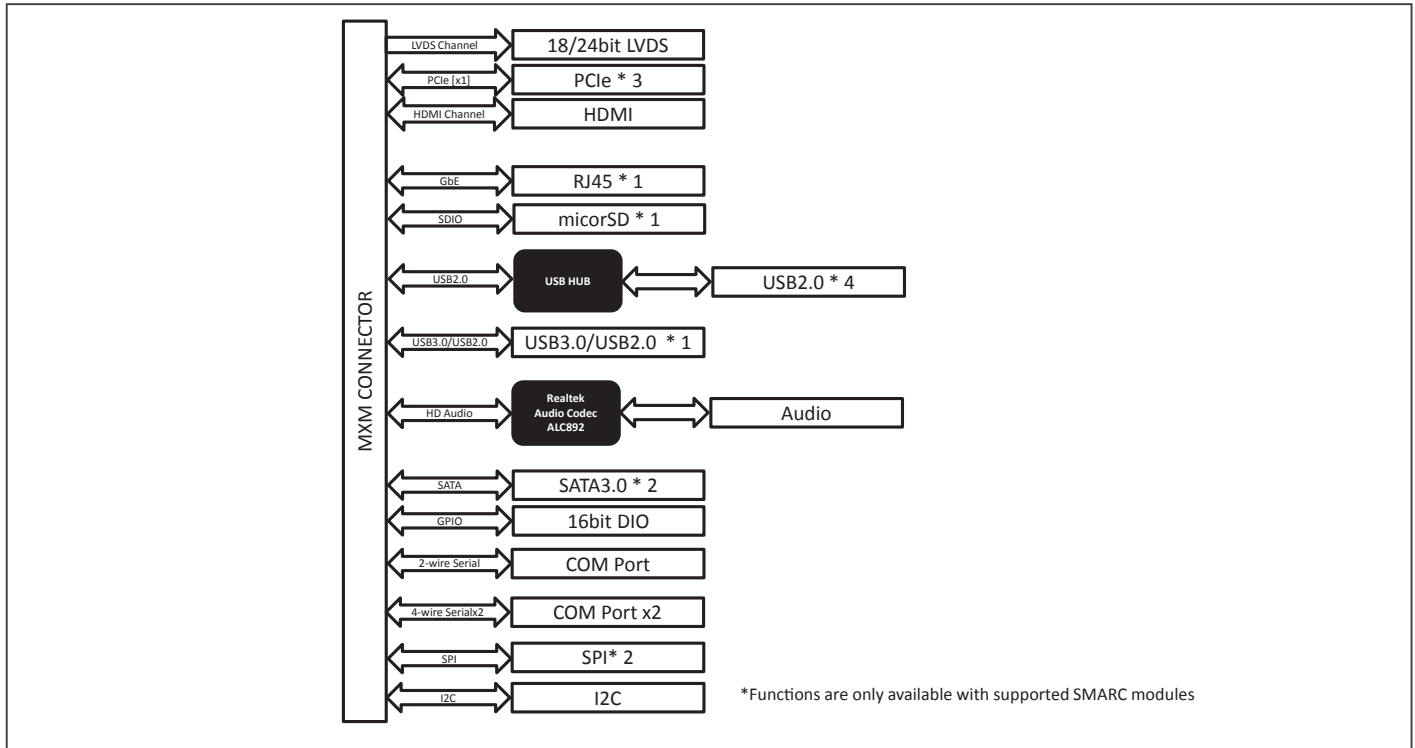
System	
Form Factor	Mini-ITX form Factor (170mmx 170mm)
I/O Chipset	N/A (Legacy Support)
Ethernet	10/100/1000Base-TX, RJ-45 x 1 (From CPU module)
Expansion Interface	PCI-Express [x1] x 3 via adapter card
Power Consumption (Typical)	Depends on module
Power Requirement	+12V DC; +8~20VDC-in on seperate connector
Board Size	6.69" x 6.69" (170mm x 170mm)
Gross Weight	—
Operation Temperature	32 °F ~ 140 °F (0 °C ~ 60 °C)
Storage Temperature	-4 °F ~ 158 °F (-20 °C ~ 70 °C)
Operation Humidity	10% ~ 80% relative humidity, non-condensing
MTBF	80,000
Display	
LVDS	18/24-bit Single channel LVDS
I/O	
Storage	SATA x 1, microSD card x 1
Serial Port	2-wire x 1, 4-wire x 1
USB	USB port 3.0 x 1 USB port 2.0 x 5 (Port 0 for client only)
I2C	Client mode
Audio	Line-in, Line-out, Microphone



Optional Accessories

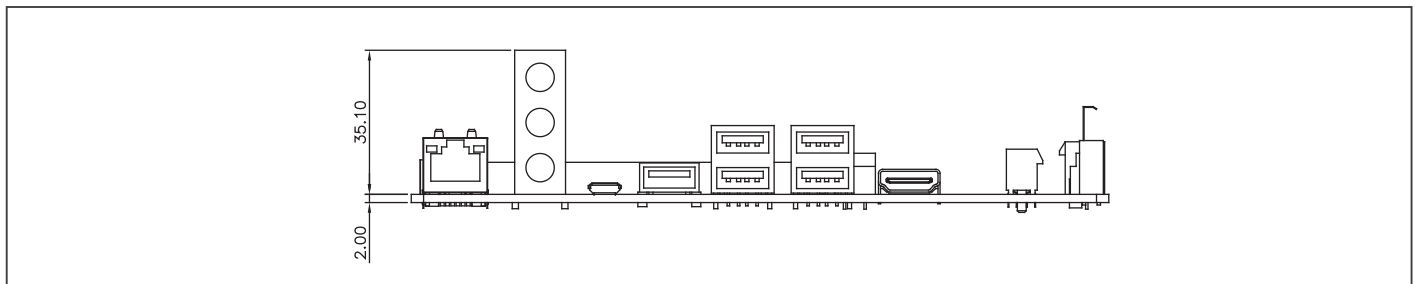
- TBD

Block Diagram



Dimension

Unit: mm



Ordering Information

Part Number	Form Factor	Main Connector	Display	USB	Storage	Audio	LAN	UART	Expansion	Power	Power Temp	Others
ECB-960T-A10-0001	Mini ITX	SMARC 1.1	LVDS, HDMI	USB2.0 x 4, USB2.0/3.0 x 1, USB OTG x 1	SATA x 2 uSD card x 1	Audio Jack via HAD I2S (pin header)	GbE x 1	2-wire x 1 4-wire x 1	PCIe[x1] x 3 (in same connector), GPIO x 12, SMBus, SDIO, I2C	12V (default), 9V-20V (optional), 19V-in and Smart Battery connector (optional)	0°C-60°C	—