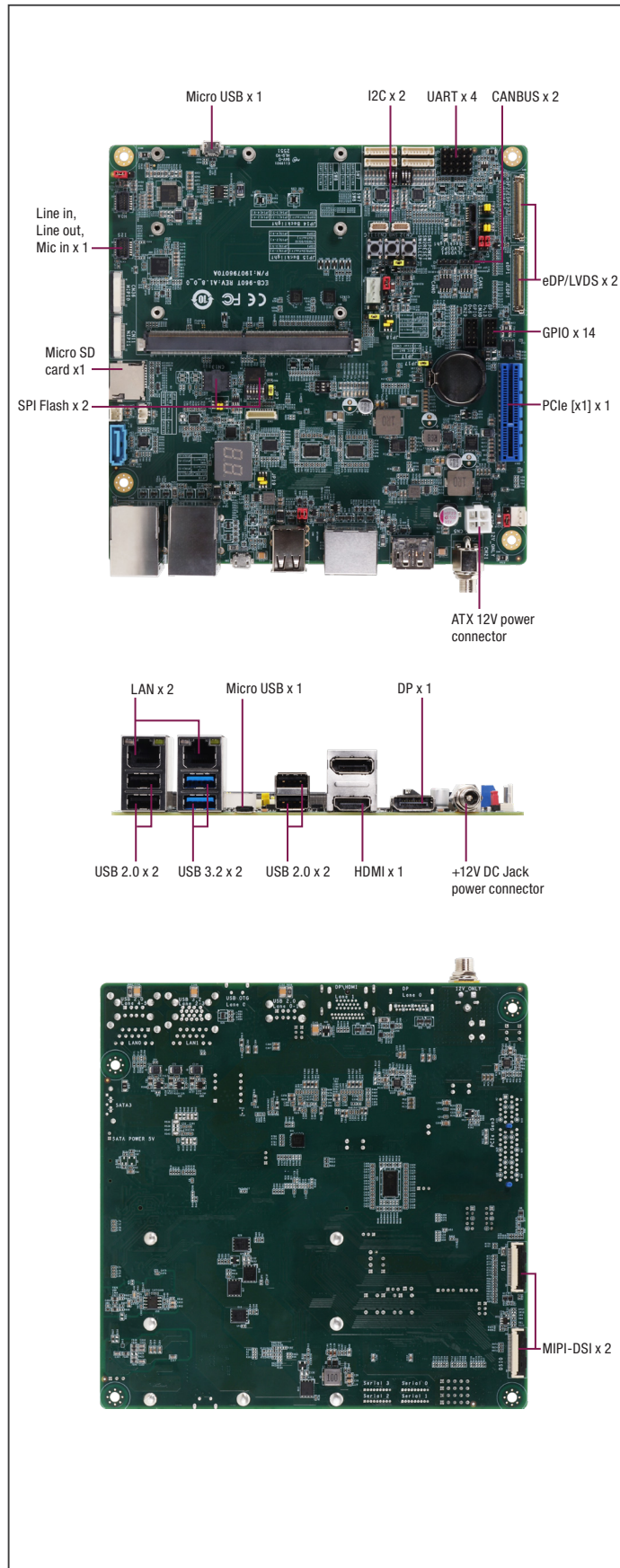


ECB-960T-A18

SMARC Carrier Board



Features

- Mini-ITX form Factor
- Supports MXM SMARC module
- PCle [x1] x 1
- DP x 1, HDMI x 1
- USB Type A x 6, Micro USB x 2
- RJ-45 x 2



Specifications

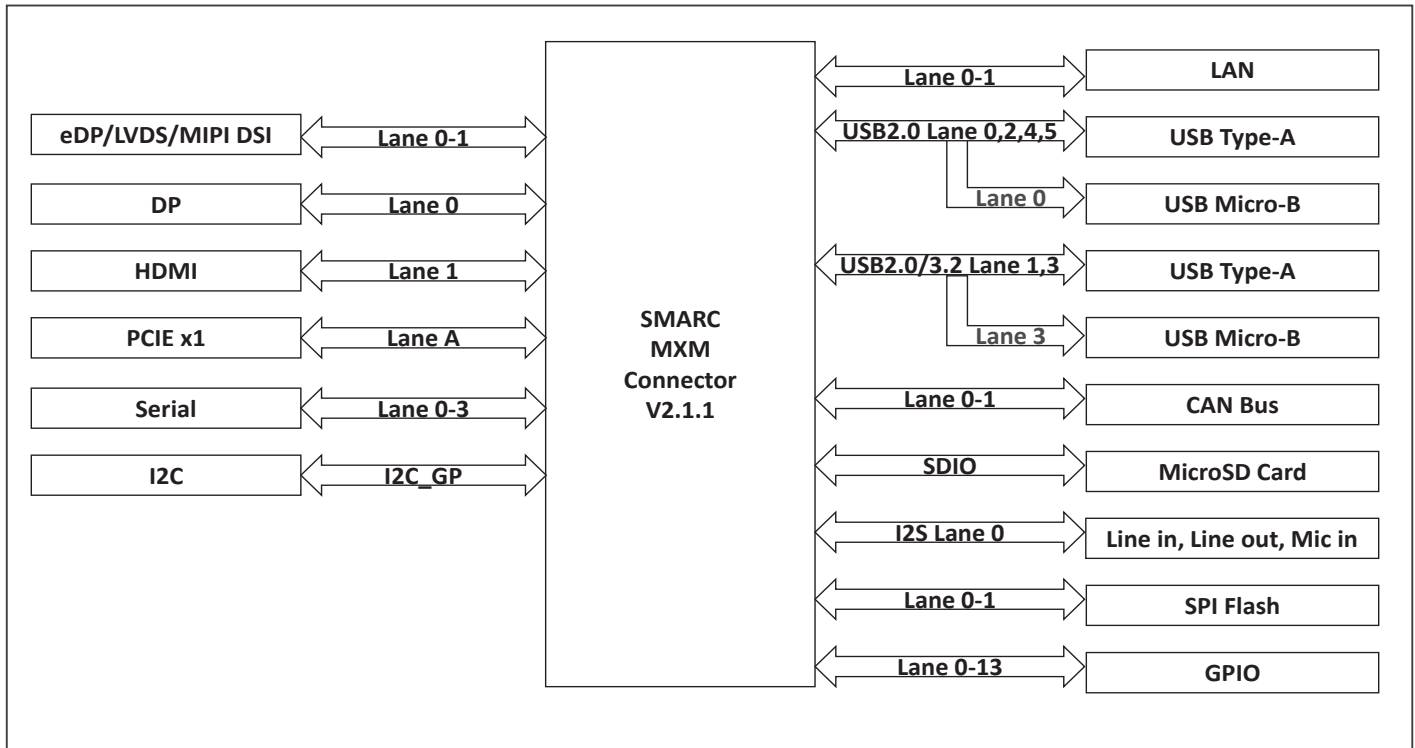
System	
Form Factor	Mini-ITX form Factor
COM Express Connector	—
I/O Chipset	—
Front Panel Control	—
Ethernet	10/100/1000 Base-TX RJ-45 x 2
Expansion Interface	PCle lane [x1] x 1
Power Supply Type	ATX +12V Power 4.20mm Pitch 2x2(4pin) +12V DC Power Jack Connector 2.5 x 5.5 mm
CMOS Battery	RTC Battery Socket x 1
BIOS	—
Dimension	6.69" x 6.69" (170mm x 170mm)
Gross Weight	1.54 lb. (0.7Kg)
Operating Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Display	
LCD	1st: eDP / LVDS / MIPI-DSI x 2
Display Interface	2nd: HDMI x 1 3rd: DP x 1
I/O	
Storage	—
Serial Port	4-wire UART x 2 + 2-wire UART x 2
USB	Type A connector x 6 (USB 2.0 x 4, USB 3.2/2.0 x 2) Micro USB x 2 (OTG, share with USB0, USB3)
Audio	Line-in x 1, Line-out x 1, Mic-in x 1
GPIO	up to 14-bit
Switch/Button	Power Button x 1, Reset Button x 1
Debug LED	—
I2C	x 2
Expansion Interface	MicroSD card x 1 CANBus x 2 SPI Flash x 2

Optional Accessories

Part Number	Description
1701090150	Cable.9P.Flat.D-Sub 9(M).9P Housing.9P 1.25mm pitch Housing.15cm
170X000743	Cable.SMBus/I2C 5P Pitch 1.0mm to 5P.Pitch 1.0mm.200mm.FLYINGWAY.FWAA-1714.For PER-TDBG
170X000709	Cable.GPIO. 2*5P Pitch 2.0mm to 2*5P.Pitch 2.0mm.200mm.FLYINGWAY.FWAA-1665.For PER-TDBG
170X001294	Cable.4P.2.54mm 1X4P to 2.0mm 1X4P.200mm.FLYINGWAY.FWAA-2264.for ECB-960T A18 CAN Bus
170X001295	Cable.5P.2.54mm 1X5P to 2.54mm 1X5P.200mm.FLYINGWAY.FWAA-2265.for ECB-960T A18 Serial Port (UART)

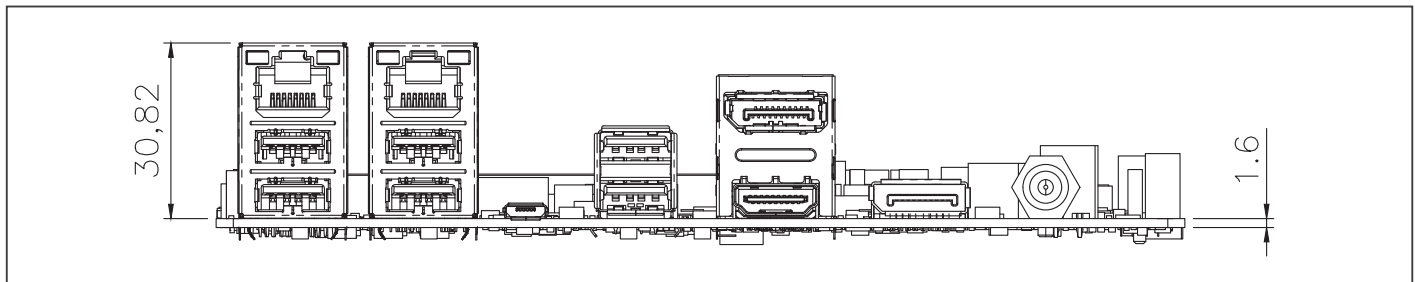


Block Diagram



Dimension

Unit: mm



Packing List

- ECB-960T x 1
- Audio cable x 1

Ordering Information

Part Number	Description	Cable List
ECB-960T-A18-0002	SMARC Carrier for ARM.HDMI.LVDS.2GbE.6USB.4UART.PCIE.CANBUS.A1.8 for ARM	Audio Cable x 1