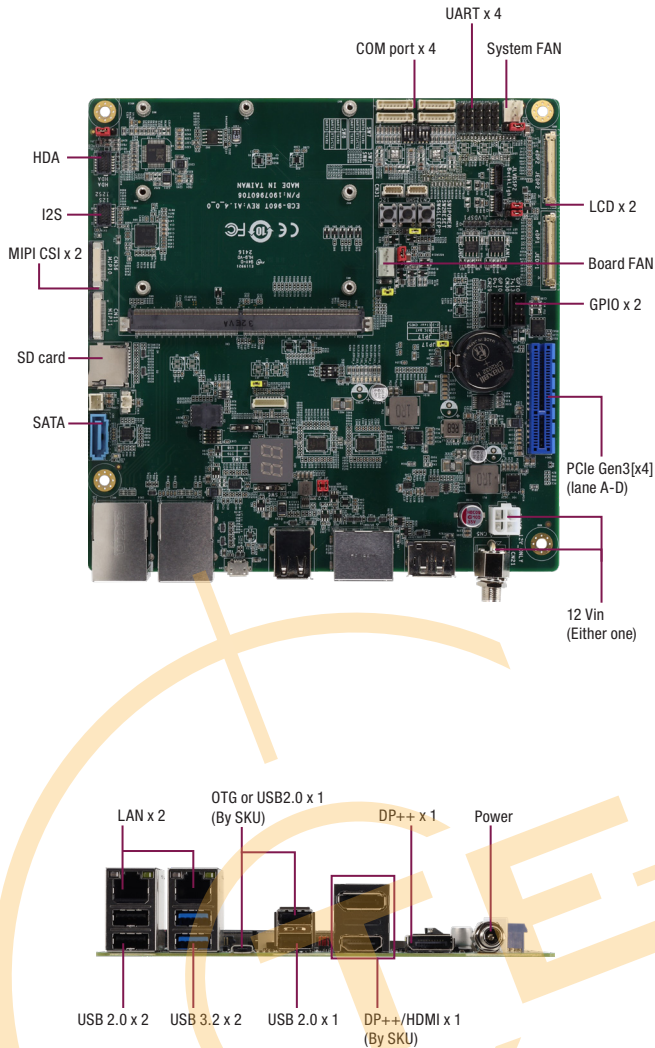


ECB-960T-A15

SMARC Carrier Board



Features

- Mini-ITX form Factor
- Supports MXM SMARC module
- PCIe [x4] x 1, MIPI CSI x 2
- DP++ x 2, HDMI x 1, LCD x 2
- USB Type A x 6, Micro USB Type B x 1
- RJ-45 x 2, SATA III x 1

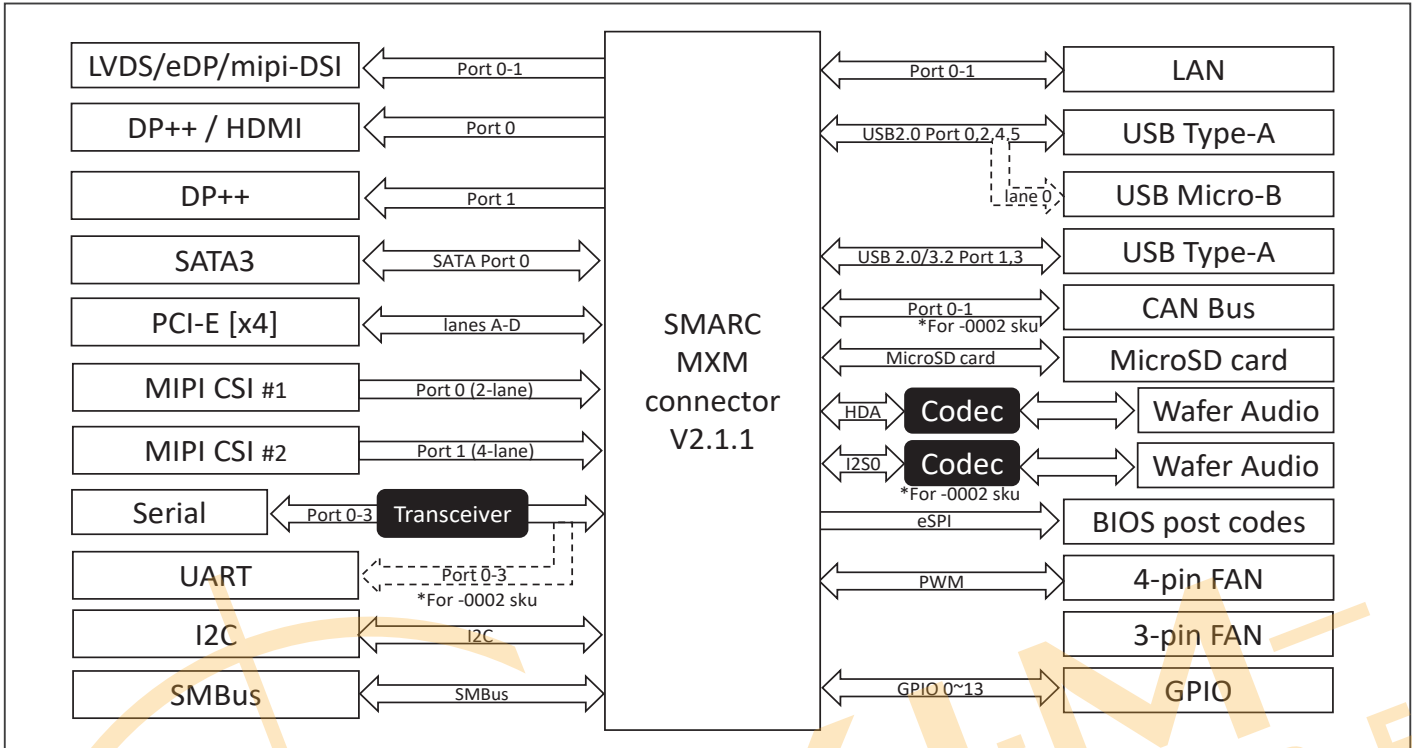


Specifications

System	
Form Factor	Mini-ITX form Factor
COM Express Connector	—
I/O Chipset	—
Front Panel Control	—
Ethernet	10/100/1000/2500 Base-TX RJ45 x 2
Expansion Interface	PCIe lane[x4] x 1
Power Supply Type	AT / ATX Depends on module
CMOS Battery	RTC battery socket x 1
BIOS	—
Board Size	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	LCD connectors x 2 for LVDS, eDP, DSI(4 lane), support by module features
Display Interface	DDI2: HDMI or DP++ (Optional, by BOM) DDI1: DP++
I/O	
Storage	SATA 6Gb/s x 1 (Optional, by BOM)
Serial Port	RS-232 x 2 (Tx/Rx) + RS-232 x 2 (Tx/Rx/RTS/CTS) or 4-wire UART x 2 + 2-wire UART x 2 (Optional, by BOM)
USB	Type A connector x 6 (USB 2.0 x 4, USB 3.2/2.0 x 2) OTG x 1 (Client Mode Only) co-lay USB 2.0 x 1
Audio	High Definition Audio (pin header) x 1 or I2S x 1 (Optional, by BOM)
GPIO	7 bit (up to 14 bit ,optional by BOM)
Switch/Button	Power Button x 1/Reset Button x 1/Sleep Button x 1
Debug LED	7-Segment Display LED x 1 (80 Port Post Code Indicator) for x86
I2C	x 1
Expansion Interface	microSD card x 1 (Optional, by BOM) MIPI CSI x 2 (4 lane + 2 lane) CANBUS 2.0 A/B x 2 (Optional, by BOM) 3 pin Fan connector x 1 4 pin Fan connector x 1 SMBus x 1 SPI x 1 (Optional, by BOM)

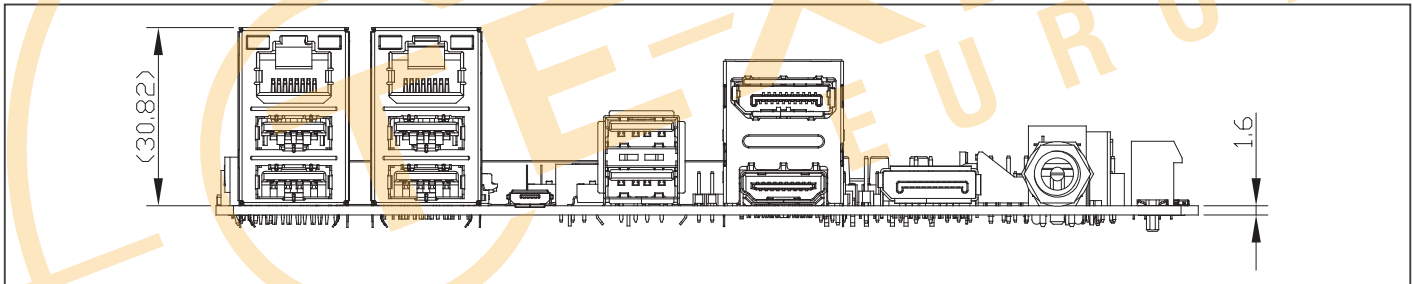


Block Diagram



Dimension

Unit: mm



Packing List

- ECB-960T x 1

Ordering Information

Part Number	Description	Cable List
ECB-960T-A15-0001	SMARC Carrier for x86.mITX.2LAN.6USB.4COM.SATA.2DP.LCD.2CSI. HDA.PCIe.12V.A1.5	COM Port Cable x 1 Audio Cable x 1 SATA Cable x 1 GPIO Cable x 1
ECB-960T-A15-0002	SMARC Carrier for ARM.HDMI.LVDS.2GbE.5USB.4UART.PCIe.2CSI. CANBUS.A1.5	Audio cable x 1 GPIO cable x 1

Disclaimer

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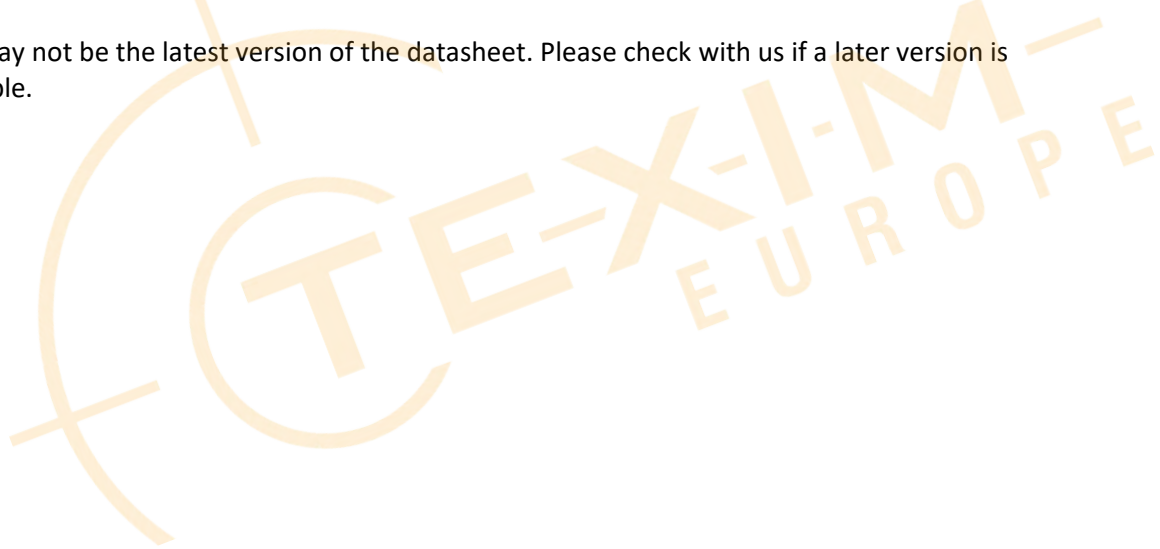
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





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