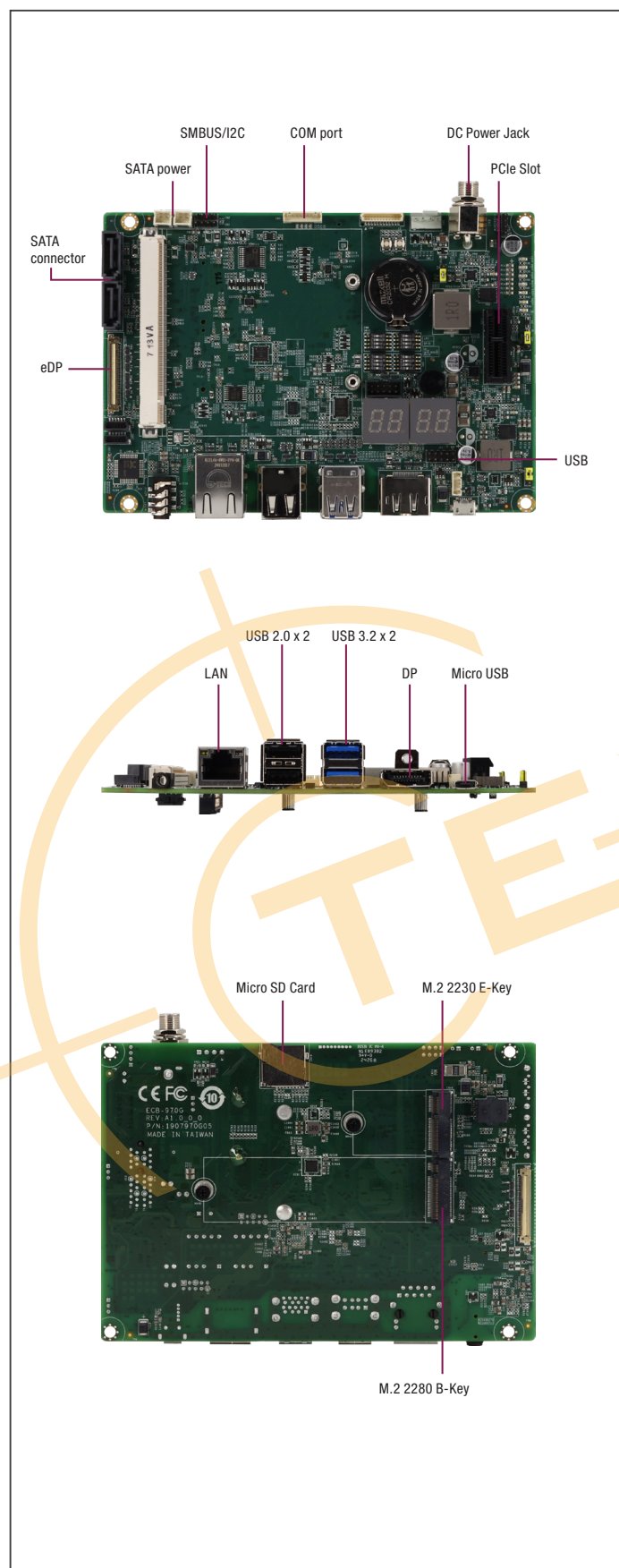


ECB-970G

COM Qseven Carrier Board



Features

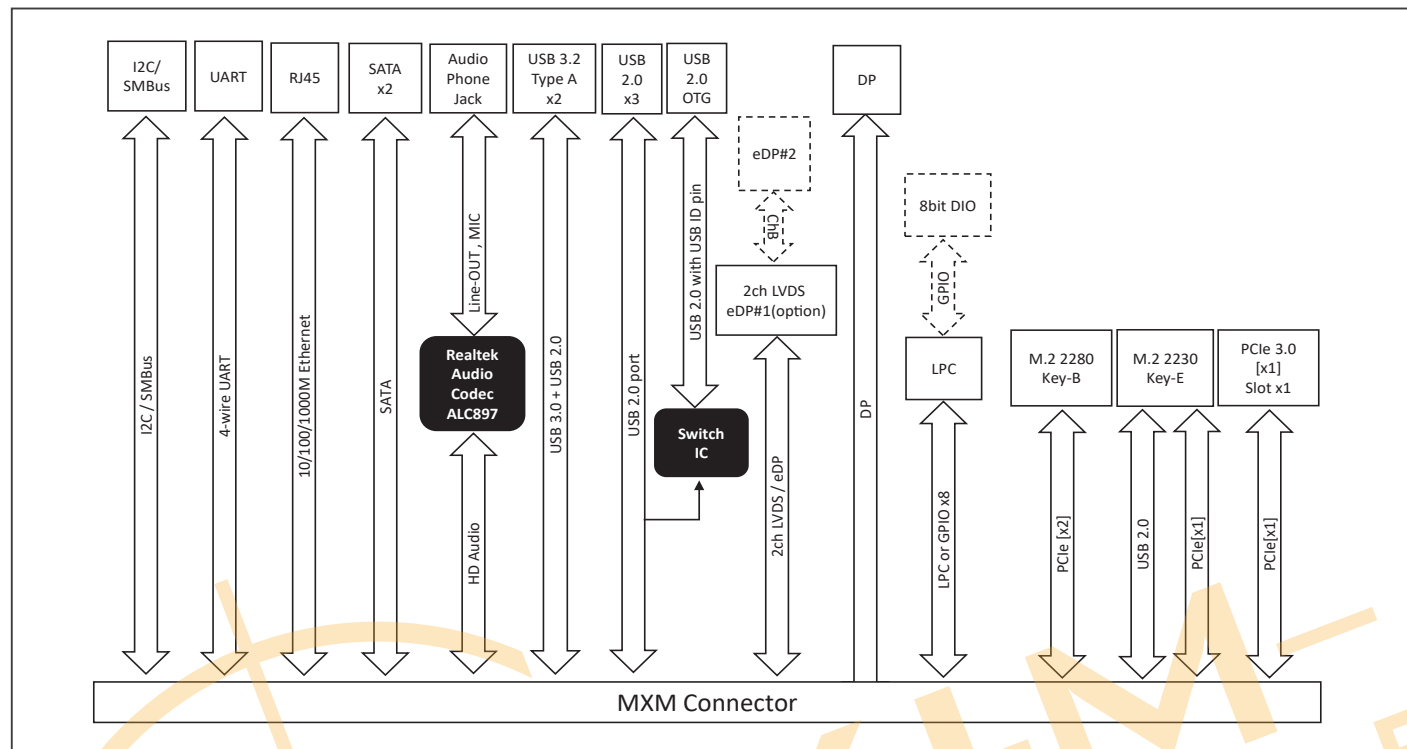
- 3.5" Form Factor
- Support Qseven R2.1
- PCIe [x1], M.2 2280 B-Key, M.2 2230 E-Key
- DP x 1, eDP x 2 or LVDS x 1
- USB 3.2 Gen 2 x 2, USB 2.0 x 2, Micro USB x 1
- RJ-45 x 1, SATA x 2



Specifications

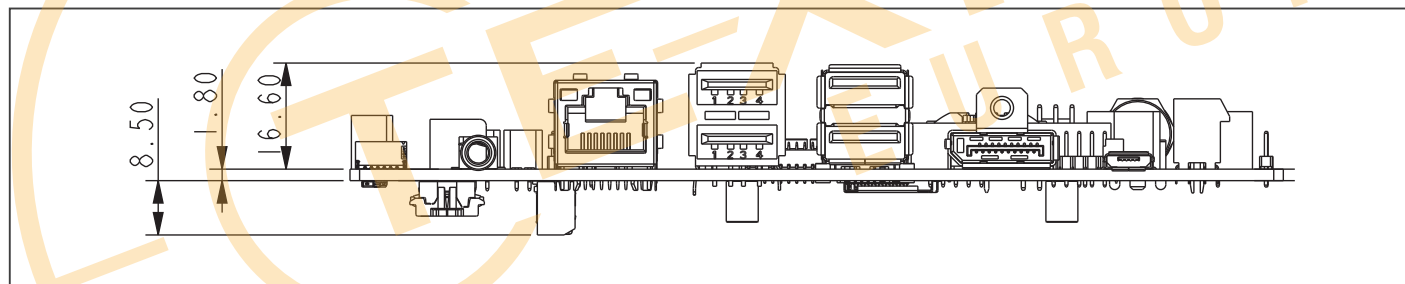
System	
Form Factor	3.5" Form Factor
COM Express Connector	MXM 230pin
I/O Chipset	—
Front Panel Control	10-pin Header (2x5P) Including: power button and LED, reset button, STATUS LED
Ethernet	10/100/1000M, RJ-45 x 1 (From CPU module)
Expansion Interface	—
Power Supply Type	+12V DC-in
CMOS Battery	RTC battery socket x 1
BIOS	SPI socket x1
Board Size	5.75" x 4" (146mm x 101.7mm)
Gross Weight	1.32 lb (0.6 kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Display	
LCD	Dual Channel LVDS x 1 or eDP x 2
Display Interface	Display Port x 1
I/O	
Storage	SATA x 2 Micro SD Card x 1
Serial Port	4-wire UART
USB	USB2.0(Type-A) x 2 USB3.2(Type-A) x 2 USB2.0(Wafer) x 1 or Micro USB x 1
Audio	Audio Jack, supports Line-in, Line-out, Microphone
GPIO	8-bit (LPC colay GPIO by switch)
Switch/Button	Power Button x 1 / Reset Button x 1
Debug LED	7-Segment Display LED x 2 (80 Port Post code indicator)
I2C	1
Expansion Interface	SMBus, WDT M.2 2230 E-Key x 1 (PCIe 3.0 [x1], USB 2.0) M.2 2280 B-Key (PCIe 3.0 [x2]) PCIe [x1] Slot (PCIe Lane 4)

Block Diagram



Dimension

Unit: mm



Packing List

- COM port Cable x 1
- ECB-970G-A10 x 1
- USB cable x 1
- SATA power cable x 1

Optional Accessories

- 125530060Z
AC/DC Adapter.DC.100/240V.12V.60W.5A.180D.W/Lock.FSP.FSP060-DHAN3/9NA0608078.W/UKCA mark

Ordering Information

- ECB-970G-A10-0001
Qseven Carrier Board.DP.LVDS.RJ45.Audio Jack.COM.5USB.2SATA.PCIe.M.2 B/E.AT/ATX.A1.0

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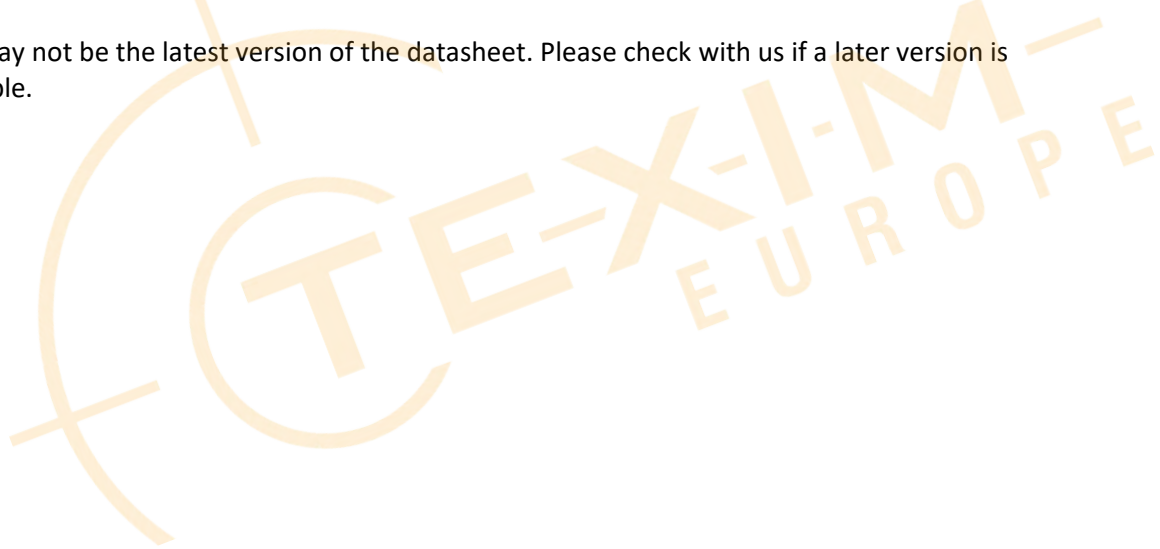
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

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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