



Final spec subjects to change
without notice for reference only

Main Features

- Intel Atom® x6000 Series Processors.
- (SMARC™ Short Size)
- Onboard eMMC 32GB
- On board LPDDR4 memory non-ECC at 1866MHz, 4GB/8G/16GB Skus.
- Displays : DP++ / HDMI 1.4b / Dual channel LVDS
- Onboard TPM2.0
- 4 x PCIe x1 lanes.
- 2 x GbE LAN, 2xUSB3.2
- 2 x UCANART(RX/TX) , 1x HDA, 1xWDT, 1x TPM2.0
- 2 x CAN FD , GPIO 4in /4out

Product Overview

SMARC form factor is the only computer-on-module form factor that truly is capable of supporting both ARM and x86 designs. With 314-pins on a high speed MXM3 connector, SMARC can fully cover both typical x86 interfaces as well as typical ARM type low level signals.

SMARC with Intel Atom® x6000 Processors ,Short Size Module dimension 82mm x 50mm, to support the next generation of IoT solutions , SMC260 comes with three processor variants with a TDP range of 6W to 12W, supports 2 x GbE LAN, 2 x USB3.2 Gen1 , 6 x USB2.0, 1 x SATA3.0 , 2 x UART(TX/RX), HD Audio, computing in applications spanning the retail, transport, industrial automation, and medical sectors.

Specifications

CPU / Chipset

- Intel Atom® x6000 Series Processors.

SKUs:

Intel® Atom® x6425E Processor, Quad Core,EU32, 1.5M Cache, 2.0GHz (3.0GHz), 12W

Intel® Atom® x6413E Processor, Quad Core,EU16 1.5M Cache, 1.5GHz (3.0GHz), 9W

Intel® Atom® x6211E Processor, Dual Core,EU16 1.5M Cache, 1.3GHz (3.0GHz), 6W

Main Memory

- On board LPDDR4 8GB or 16GB(Optional) SKUs.
- Default 8GB SKU.

BIOS

- AMI (UEFI)

Display

- 1 x DP1.2++ (resolution up to 4096 x2160 @60Hz)
- 1 x HDMI 1.4b (resolution up to 4096 x2160 @24Hz)
- Dual Channel 18/24bit LVDS (1920x1080 @60Hz).

MXM 3.0 Golden Finger

- 2 x USB 3.2 Gen1, 6 x USB2.0
- 2 x COM, GPIO 4in/4out, HDA, TPM2.0 .
- 1 x DP, 1 x HDMI1.4b, Dual channel LVDS, 4 x PCIe x1, 2 x SPI, 2 x I2C, 2 x SATA3.0 , 2 x GbE LAN , 2 x UART (TX/RX), 2 x CAN FD .

Power Requirement

- +12VDC, +5VSB
- Support both AT and ATX power supply mode

Dimensions

- 82mm(L) x 50mm(W)

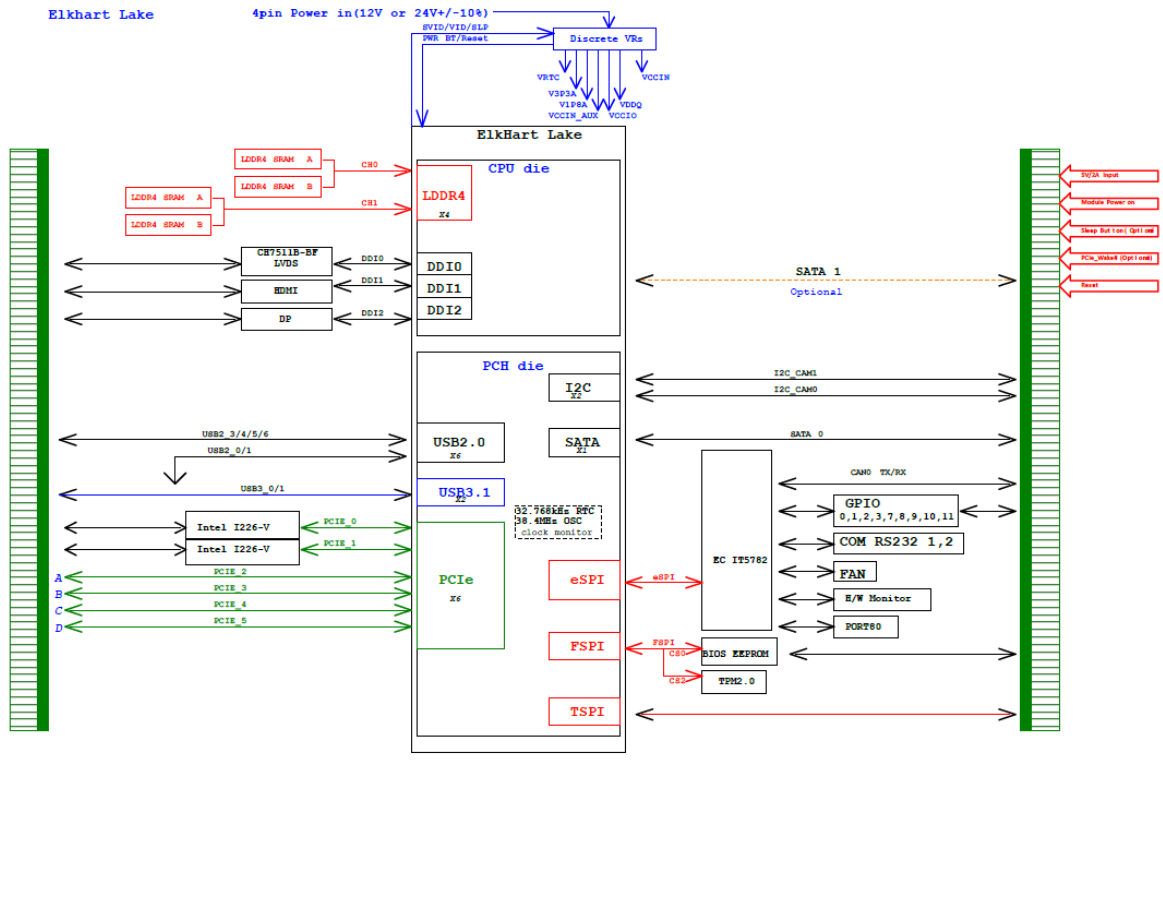
Environment

- Board level operation temperature : -40°C to 85°C
- Storage temperature : -40°C to 85°C
- Relative humidity:
10% to 90% (operating, non-condensing)
10% to 90% (non-operating, non-condensing)

Certifications

- Meet CE / FCC Class A

Black Diagram



Ordering Information

Barebone

SMC260X (P/N: TBD)

- On board Intel Atom® Elkhart Lake x6425E, LPDDR4 8G, -40°C to 85°C

SMC260X-6413E (P/N: TBD)

- On board Intel Atom® Elkhart Lake x6413E, LPDDR4 8G, -40°C to 85°C

SMC260X-6211E (P/N: TBD)

- On board Intel Atom® Elkhart Lake x6211E, LPDDR4 8G, -40°C to 85°C

Optional Accessories

- SMB-100 Carrier board (P/N:10E00010000X0)
- Heat spreader Kit (P/N:TBD)
- Heat Sink Kit (P/N:TBD)
- COOLER Kit (P/N:TBD)