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Advantech SOM-7532

pic:



pn:

SOM-7532

formfactor:

COM Express Type 10

manufacturer:

Advantech

cpu:

Intel Atom x6000E

emmc:

32/64 GB

ram:

2/4/8/16 GB LPDDR4

temprange:

0...+60 °C, -40...+85 °C

edp:

1 (or LVDS)

dp:

1 DP/HDMI/VDI

lvd:

Single Channel via eDP<>LVDS IC (or eDP)

ethernet:

1 (2.5 GBit, SGMII) (I225)

dsi:

-

csi:

-

usb2:

6(8)

usb3:

2

can:

-?

uart:

2 from EC/2 CAN from EC/2 CAN from SoC

spi:

+ (BIOS, TPM 2.0)

pcie:

x4 x 1, x2 x 2, x1 x 4 gen 3

i2:

HDA

i2c:

1 (from EC\CPU)

smbu:

1 (from EC\CPU)

gpio:
4 GPI, 4 GPO from EC (or SDIO 3.0 from CPU option)

bmc:
EC (Advantech EIO-211)

tpm:
TPM 2.0

sata:
2 SATA III

sdio:
SDIO 3.0 (option)

bio:
AMI UEFI 256Mbit


dimension:
84 x 55 mm

lpc:
+ (eSPI<>LPC ECE1200????)

espi:
-

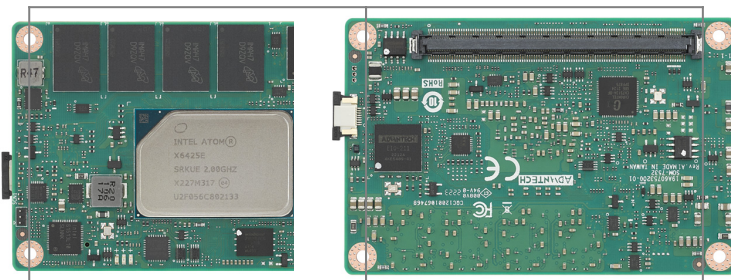
datasheetwww:
[link](#)

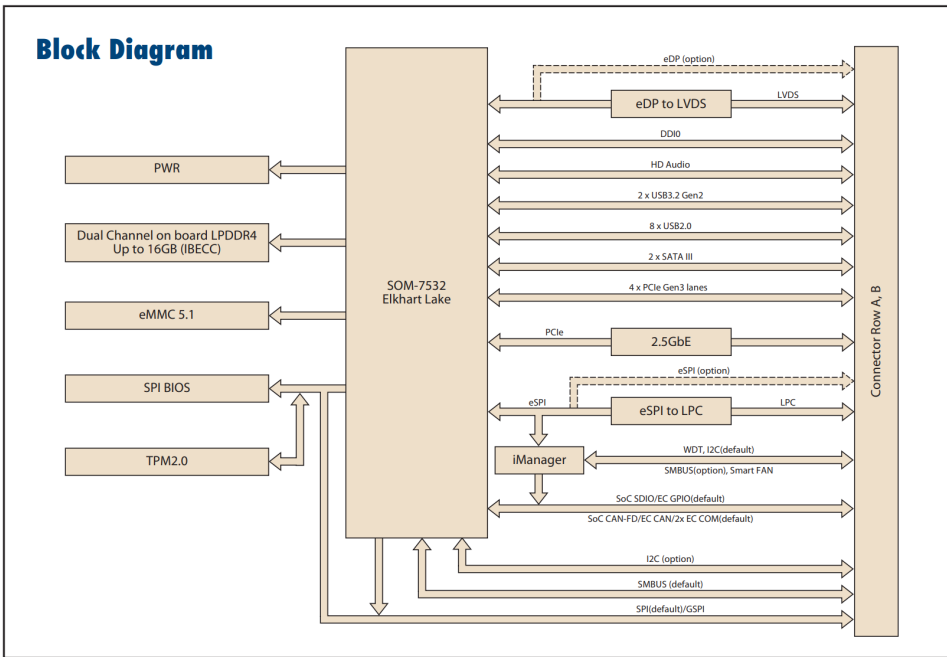
datasheet:
[link](#)

struct:


page:
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power:
4.75V (5V-5%) - 20V (19V+5%), AT/ATX Mode





docs

SOM-7532	Advantech	SOM flyer	link
SOM-7532	Advantech	User Manual	link
CH7513A	Chrontel	eDP<>LVDS bridge	link
IT5121VG-I-128	ITE	EC	
ECE1200	Microchip	eSPI<>LPC	link
I225	Intel	2.5G Ethernet Controller	link

LPC

LPC Bus is supported by a eSPI-to-LPC bridge IC