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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 friom EC/2 CAN from SoC

spi:
: + (BIOS, TPM 2.0)

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

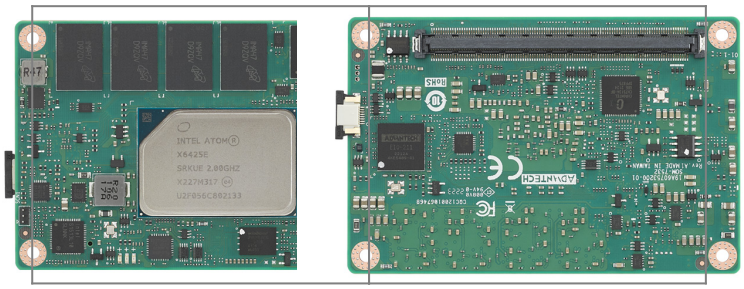
i2:
: HDA

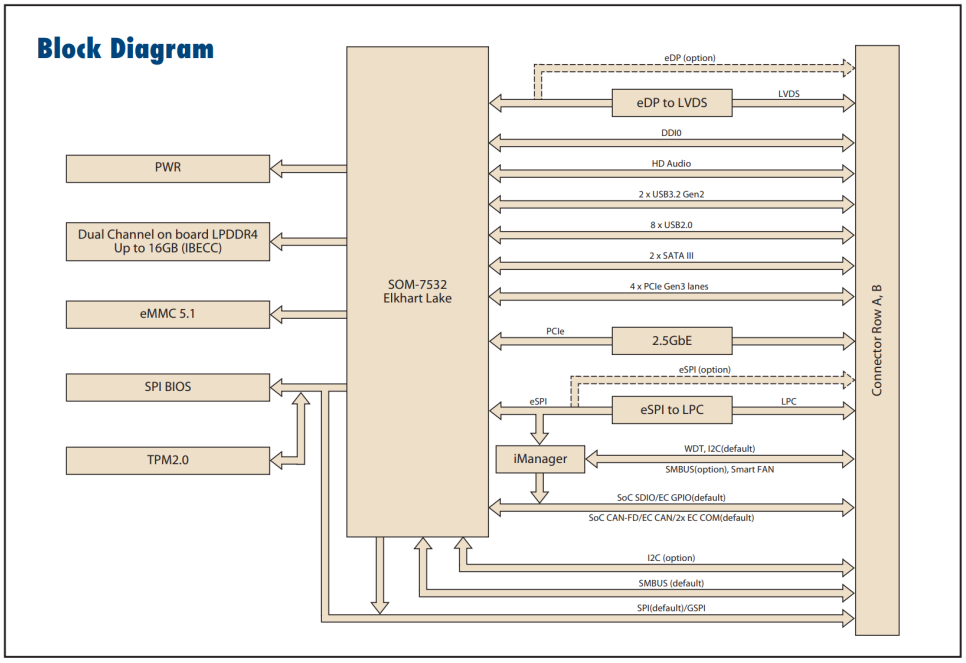
i2c:
: 1 (from EC\CPU)

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:
page
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