

Содержание

Congatec conga-SA7	3
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Congatec conga-SA7

pic:



pn:

conga-SA7

formfactor:

SMARC

manufacturer:

Congatec

cpu:

Intel Atom x6000E

ram:

16 GB LPDDR4x

emmc:

128 GB

temprange:

-40...+85 °C

edp:

1 (or dsi\lvds 2ch)

dp:

2 (or 1 hdmi)

hdmi:

1 (or dp)

lvd:

1 2ch(or dsi\edp)

ethernet:

up to 4

dsi:

1 (or edp\lvds 2ch)

usb2:

6

usb3:

2

can:

2

uart:

4 (2 full)

spi:

2

pcie:

up to 4 gen3

i2:

2

i2c:

2

sata:

1

sdio:

1

bio:

AMI Aptio 32 MB serial SPI

dimension:

82x50

datasheet:

[link](#)

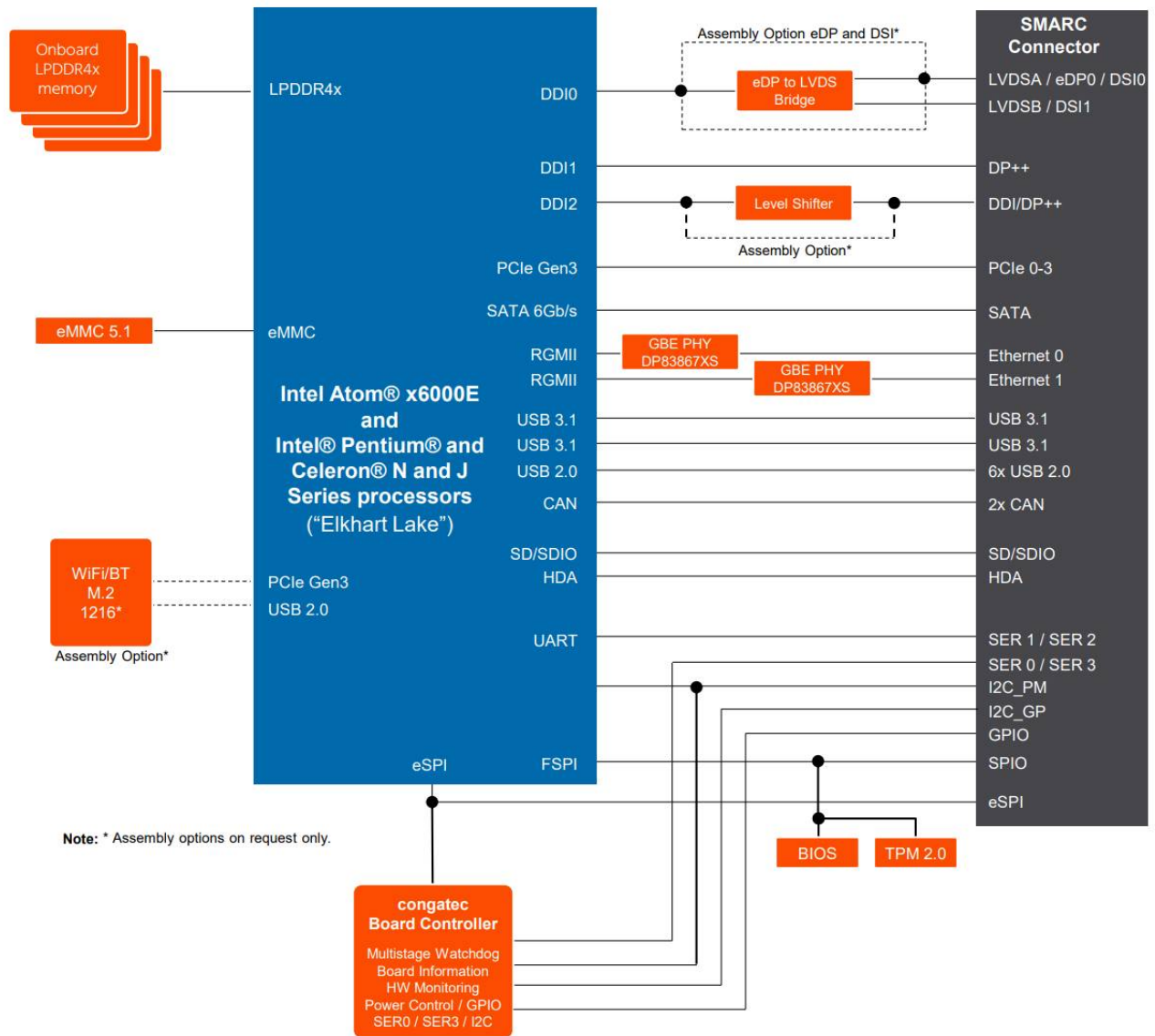
struct:



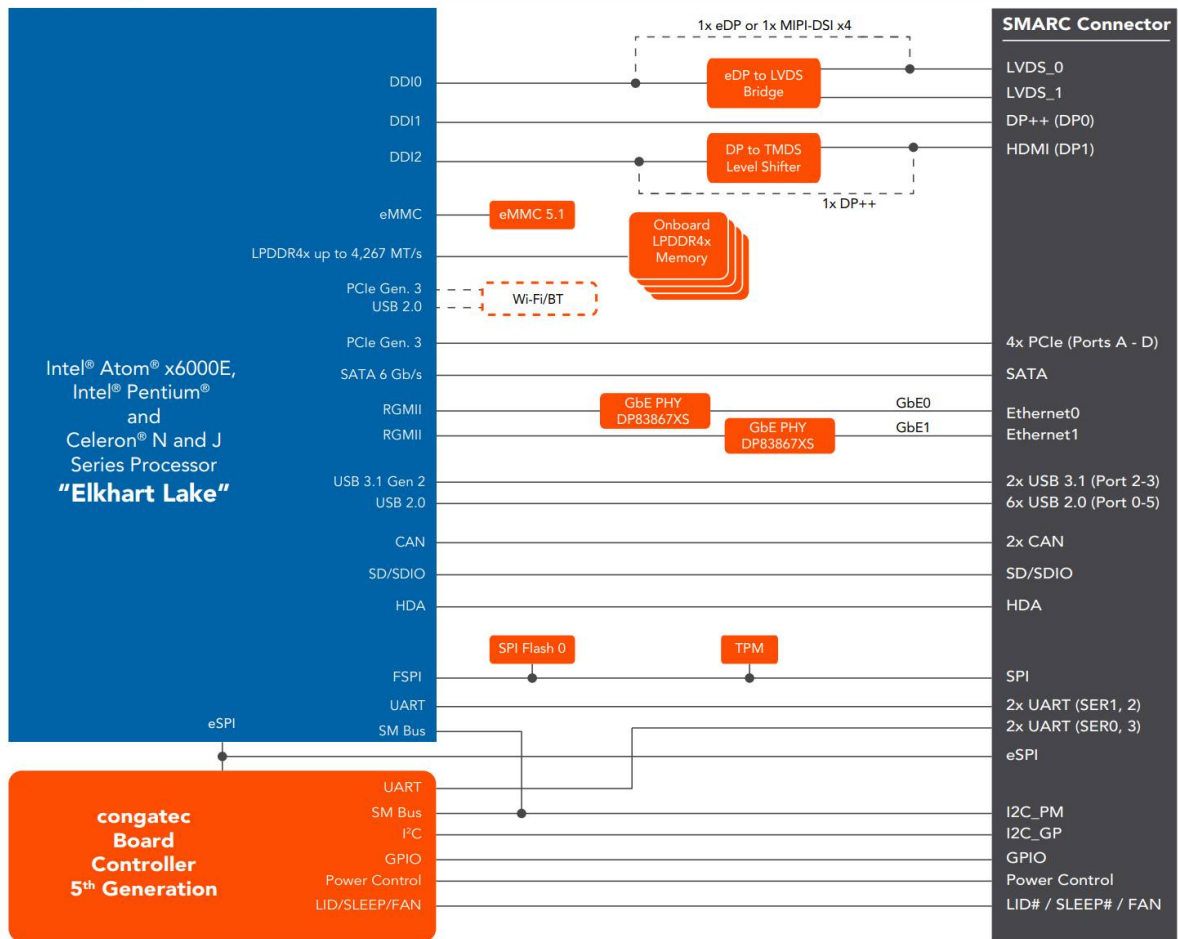
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[page](#)

conga-SA7 | Block Diagram



Block Diagram



Processor	TDP	Cores / Threads	Base Frequency / max. Turbo	Gfx EUs	Intel Use Condition
J6413	10W	4 / 4	1.8 GHz / 3.0 GHz	16 EU	PC/Client
J6426	10W	4 / 4	2.0 GHz / 3.0 GHz	32 EU	PC/Client
x6211E	6W	2 / 2	1.3 GHz / 3.0 GHz	16 EU	Embedded
x6413E	9W	4 / 4	1.5 GHz / 3.0 GHz	16 EU	Embedded
x6425E	12W	4 / 4	2.0 GHz / 3.0 GHz	32 EU	Embedded
x6212RE	6W	2 / 2	1.2 GHz / —	16 EU	Industrial
x6414RE	9W	4 / 4	1.5 GHz / —	16 EU	Industrial
x6425RE	12W	4 / 4	1.9 GHz / —	32 EU	Industrial