Содержание

Congatec conga-SA7 3

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

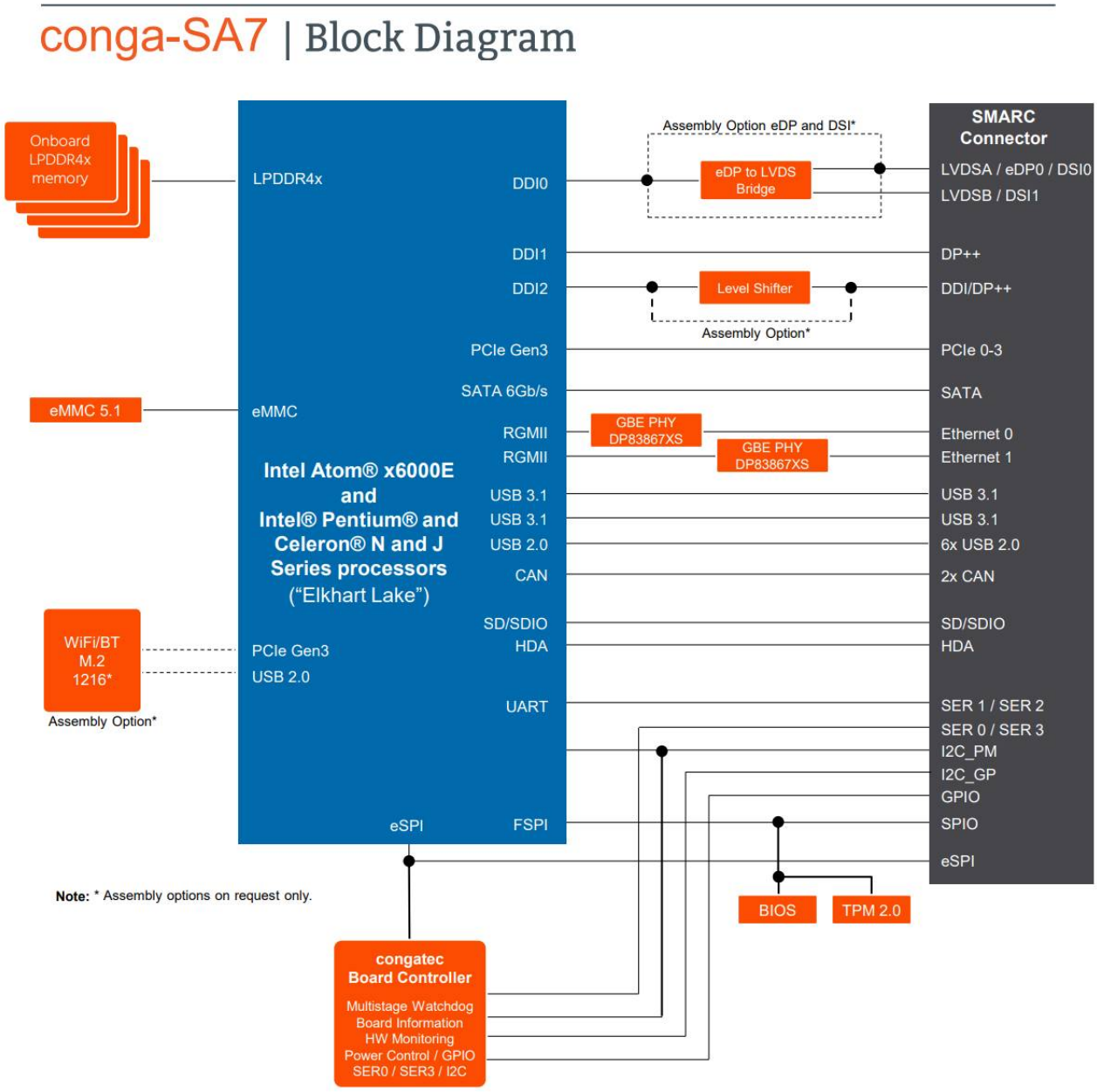
i2:
: 2

i2c:
: 2

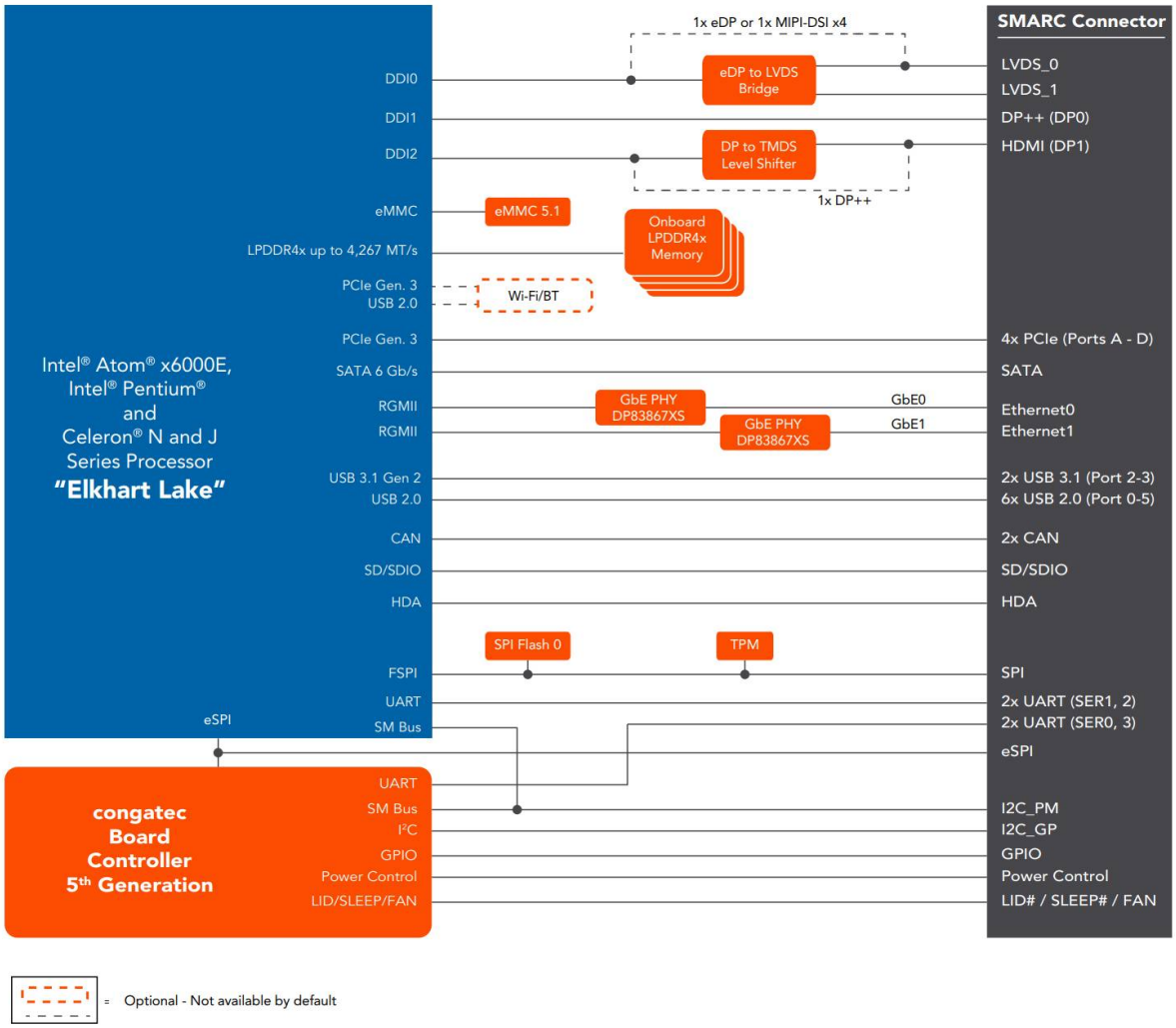
sata:
: 1

sdio:
1
bio:
AMI Aptio 32 MB serial SPI
dimension:
82x50
datasheet:
link
struct:

page:
page



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