Содержание

Congatec conga-SA5 3

Congatec conga-SA5

pic:



pn:
: conga-SA5

formfactor:
: SMARC

manufacturer:
: Congatec

cpu:
: Intel Atom E3900

ram:
: 8 GB LPDDR4x

emmc:
: 32 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:
: 2 (i210, i211)

dsi:
: 1 (or edp\lvds 2ch)

csi:
: 2 (x4, x2)

usb2:
: 6

usb3:
: 2

can:
: 2

uart:
: 4 (2 full)

spi:
: 2

pcie:
: up to 4 gen2

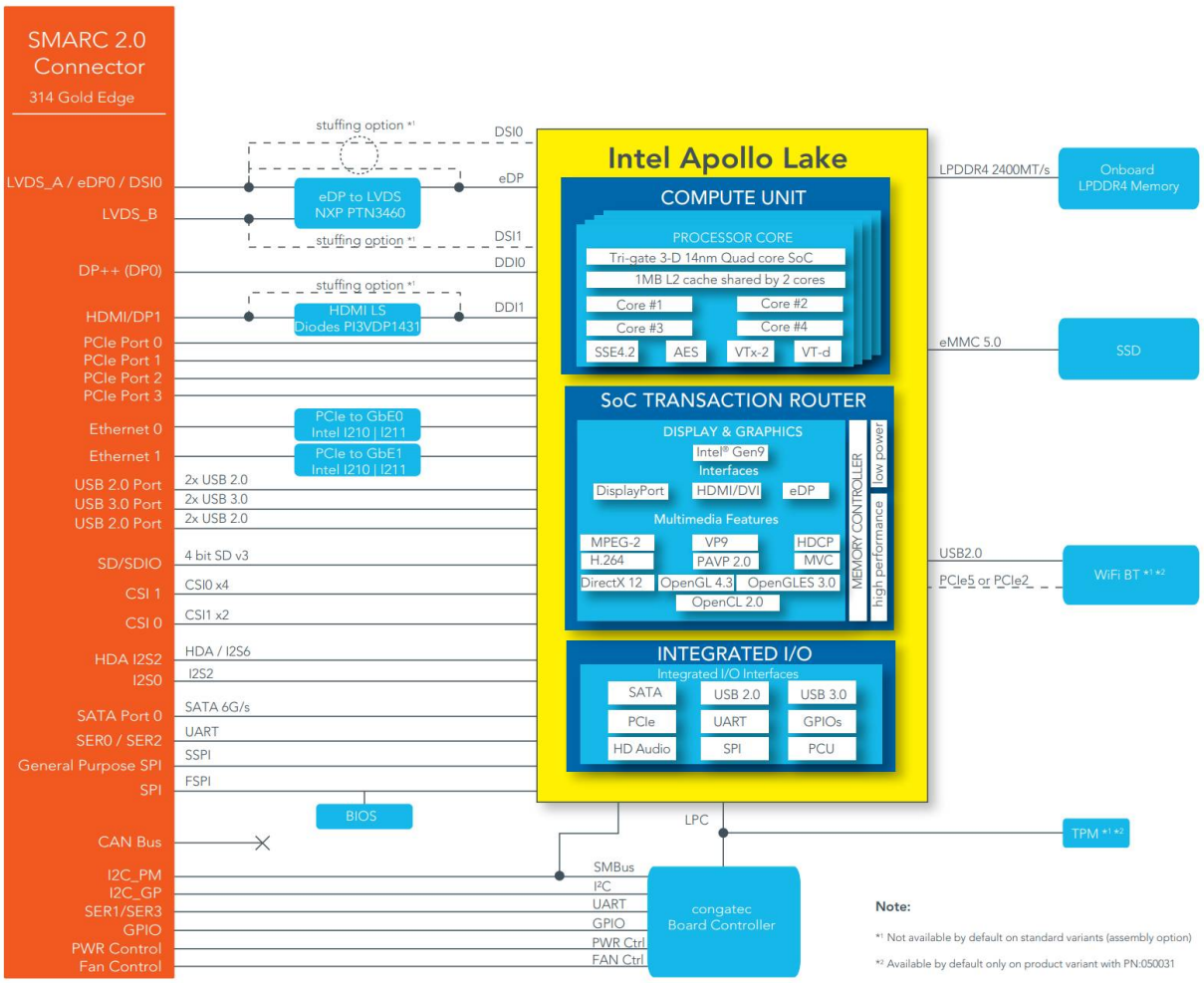
i2:
: 2

i2c:
: 2

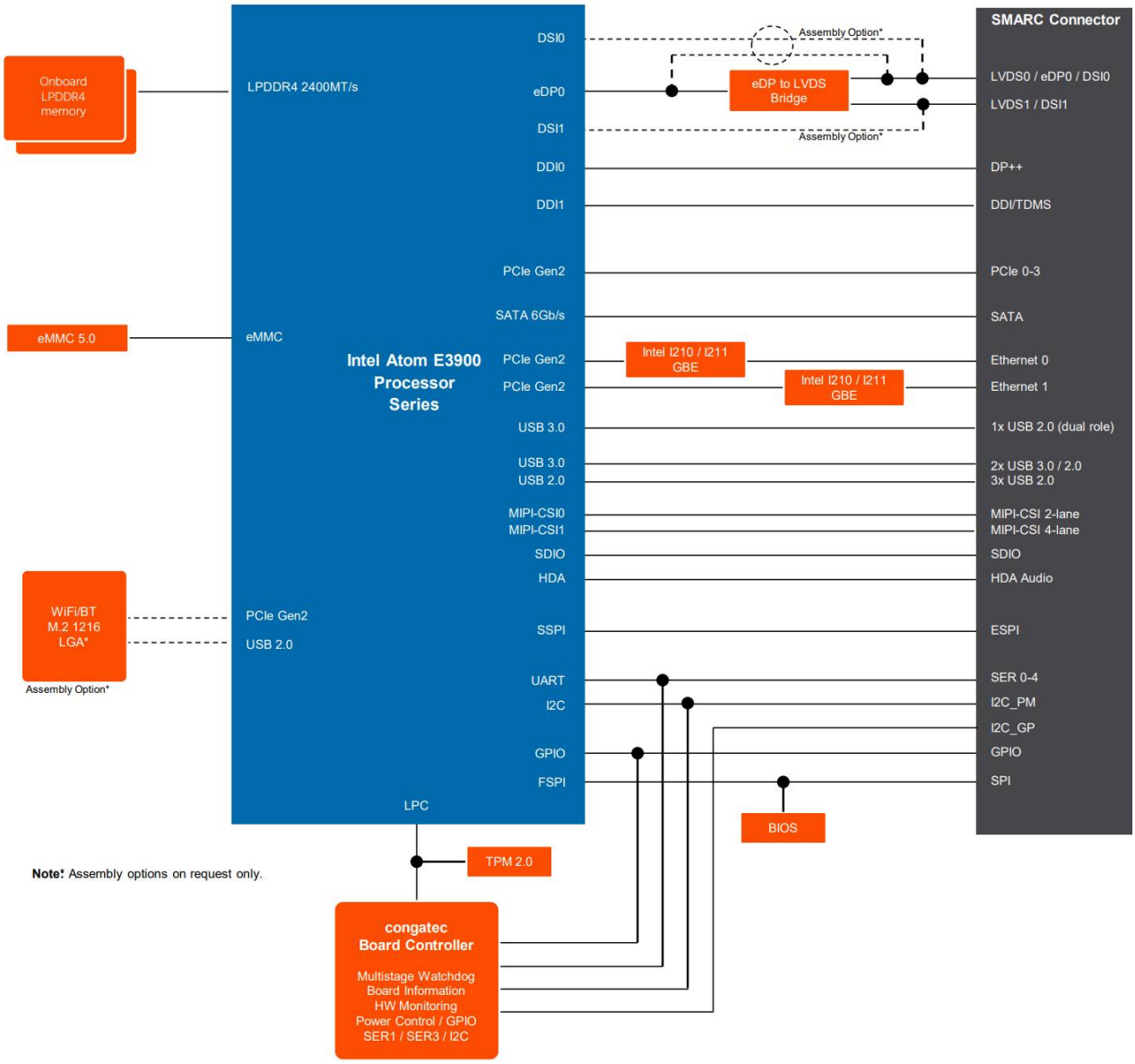
sata:

1
sdio:
1
bio:
AMI Aptio® V UEFI 2.x firmware, 8 MB serial SPI
dimension:
82x50
datasheet:
link
struct:
page:
page

Block Diagram



conga-SA5 | Block Diagram



Intel® Atom® x7-E3950	2.00 GHz (Burst)	1.6 GHz Clock	Quad Core	L2 cache 2MB	12W TDP
Intel® Atom® x5-E3940	1.80 GHz (Burst)	1.6 GHz Clock	Quad Core	L2 cache 2MB	9W TDP
Intel® Atom® x5-E3930	1.80 GHz (Burst)	1.3 GHz Clock	Dual Core	L2 cache 2MB	6.5W TDP
Intel® Pentium® N4200	2.50 GHz (Burst)	1.1 GHz Clock	Quad Core	L2 cache 2MB	6W TDP
Intel® Celeron® N3350	2.40 GHz (Burst)	1.1 GHz Clock	Dual Core	L2 cache 2MB	6W TDP
Intel® Celeron® J3455	2.30 GHz (Burst)	1.5 GHz Clock	Quad Core	L2 cache 2MB	10W TDP

Power consumption:

Part No.	Memory Size	H.W Rev.	BIOS Rev.	OS (64 bit)	CPU			Current (A)				
					Variant	Cores	Freq. /Max. Turbo	S0: Min	S0: Max	S0: Peak	S3	S5
050000	8 GB	A.0	R019	Windows 10	Intel® Atom® x7-E3950	4	1.6 / 2.0 GHz	0.37	3.90	4.22	0.12	0.12
050001	4 GB	A.0	R019	Windows 10	Intel® Atom® x7-E3940	4	1.6 / 1.8 GHz	0.40	3.12	4.22	0.10	0.07
050002	2 GB	A.0	R019	Windows 10	Intel® Atom® x7-E3930	2	1.3 / 1.8 GHz	0.39	2.28	2.49	0.10	0.10
050010	8 GB	A.0	R019	Windows 10	Intel® Atom® x7-E3950	4	1.6 / 2.0 GHz	0.37	3.90	4.22	0.12	0.12
050011	4 GB	A.0	R019	Windows 10	Intel® Atom® x7-E3940	4	1.6 / 1.8 GHz	0.40	3.12	4.22	0.10	0.07
050012	2 GB	A.0	R019	Windows 10	Intel® Atom® x7-E3930	2	1.3 / 1.8 GHz	0.39	2.28	2.49	0.10	0.10
050022	4 GB	A.0	R019	Windows 10	Intel® Celeron® N3350	2	1.1 / 2.3 GHz	0.39	2.41	4.17	0.13	0.10
050023	8 GB	A.0	R019	Windows 10	Intel® Pentium® N4200	4	1.1 / 2.5 GHz	0.39	2.46	4.26	0.14	0.11
050024	4 GB	B.0	R137	Windows 10	Intel® Celeron® J3455	4	1.5 / 2.3 GHz	0.45	3.08	5.44	0.08	0.07