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Data Modul eDM-SMX-EL	3
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Data Modul eDM-SMX-EL

pic:



pn:

eDM-SMX-EL

formfactor:

SMARC

manufacturer:

Data Modul

cpu:

Intel® Atom® x6000E

Celeron®

Pentium®

Elkhart Lake

emmc:

64 GB

ram:

16 GB LPDDR4x

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

dsi:

1 (or edp\lvds 2ch)

usb2:

6

usb3:

2

can:

2

uart:

4 (2 full)

spi:

1 + 1 espi

pcie:

4 gen 3 (1x4, 2x2, 4x1)

sata:

1

sdio:

1

bio:

AMI Aptio V

dimension:

82x50

datasheet:

[link](#)

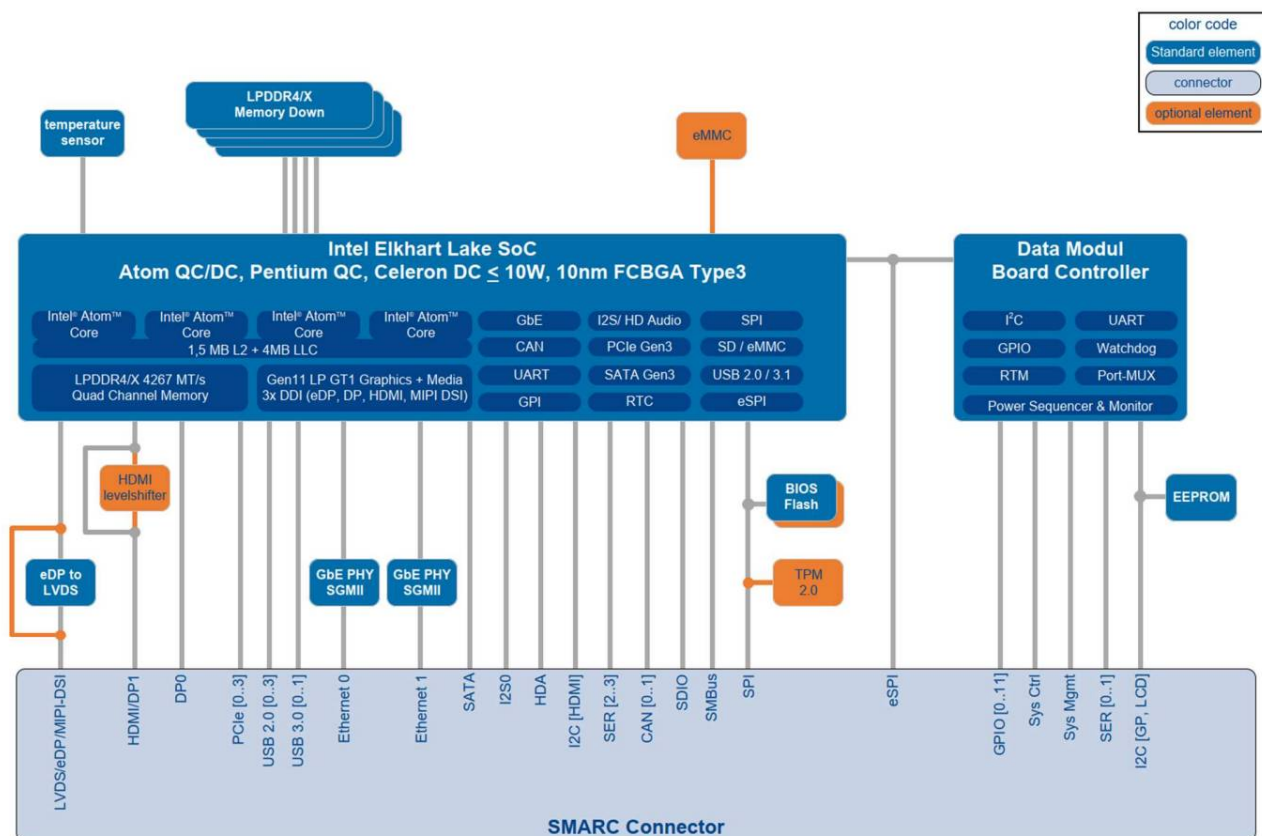
struct:



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BLOCK DIAGRAM



Processor	TDP	Cores	Base Max. Turbo frequency	L2 cache	Use Condition	Graphics Gen 11
Intel® Atom® x6211E	6 W	2	1.3 / 3.0 GHz	1.5 MB	Embedded	16 EU
Intel® Atom® x6413E	9 W	4	1.5 / 3.0 GHz	1.5 MB	Embedded	16 EU
Intel® Atom® x6425E	12 W	4	2.0 / 3.0 GHz	1.5 MB	Embedded	32 EU
Intel® Atom® x6212RE	6 W	2	1.2 GHz	1.5 MB	Industrial	16 EU
Intel® Atom® x6425RE	12 W	4	1.9 GHz	1.5 MB	Industrial	32 EU