

## Содержание

|                             |   |
|-----------------------------|---|
| Kontron SMARC-sXEL E2 ..... | 3 |
|-----------------------------|---|



# Kontron SMARC-sXEL E2

pic:



pn:

SMARC-sXEL E2

formfactor:

SMARC

manufacturer:

Kontron

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](#)

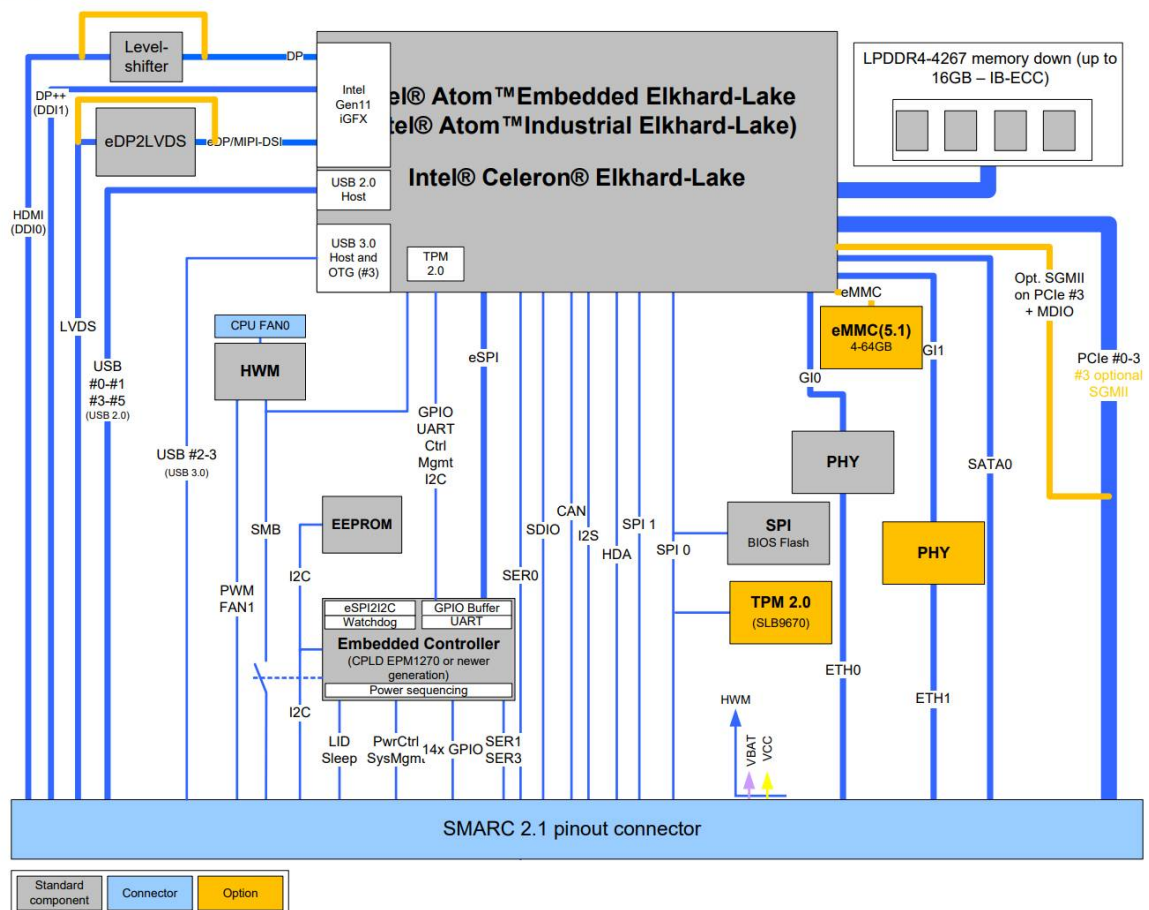
struct:



page:

[page](#)

## BLOCK DIAGRAM



| PART NO.        | CPU   | MEMORY  | FLASH    | ETH PHY    | DISPLAY          | SERDES | OP. TEMPERATURE |
|-----------------|-------|---------|----------|------------|------------------|--------|-----------------|
| 51016-0432-J2-4 | J6426 | 4 GByte | 32 GByte | 2x 1 GByte | LVDS, HDMI, DP++ | No     | 0 °C - 60 °C    |
| 51016-0416-N1-2 | N6211 | 4 GByte | 16 GByte | 2x 1 GByte | LVDS, HDMI, DP++ | No     | 0 °C - 60 °C    |

| PART NO.               | CPU     | MEMORY  | FLASH    | ETH PHY    | DISPLAY          | SERDES | OP. TEMPERATURE |
|------------------------|---------|---------|----------|------------|------------------|--------|-----------------|
| 51017-0416-R1-2        | x6212RE | 4 GByte | 16 GByte | 2x 1 GByte | LVDS, HDMI, DP++ | No     | -40 °C - 85 °C  |
| <b>51017-0432-R1-4</b> | x6414RE | 4 GByte | 32 GByte | 2x 1 GByte | LVDS, HDMI, DP++ | No     | -40 °C - 85 °C  |
| <b>51017-0832-R2-4</b> | x6425RE | 8 GByte | 32 GByte | 2x 1 GByte | LVDS, HDMI, DP++ | No     | -40 °C - 85 °C  |