Содержание

TQ-Embedded TQMxE41S 3

TQ-Embedded TQMxE41S

pic:



pn:
: TQMxE41S

formfactor:
: SMARC

manufacturer:
: TQ-Embedded

cpu:
: Intel® Atom® x7000E
: Celeron®
: Pentium®
: Alder Lake-N

emmc:
: 256 GB

ram:
: 16 GB LPDDR5

eeprom:
: 32KB

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 (2.5Gb Intel i226)

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

usb2:
: 6

usb3:
: 2

can:
: 2

uart:
: 4 (2 full)

spi:
: 1 + 1 espi

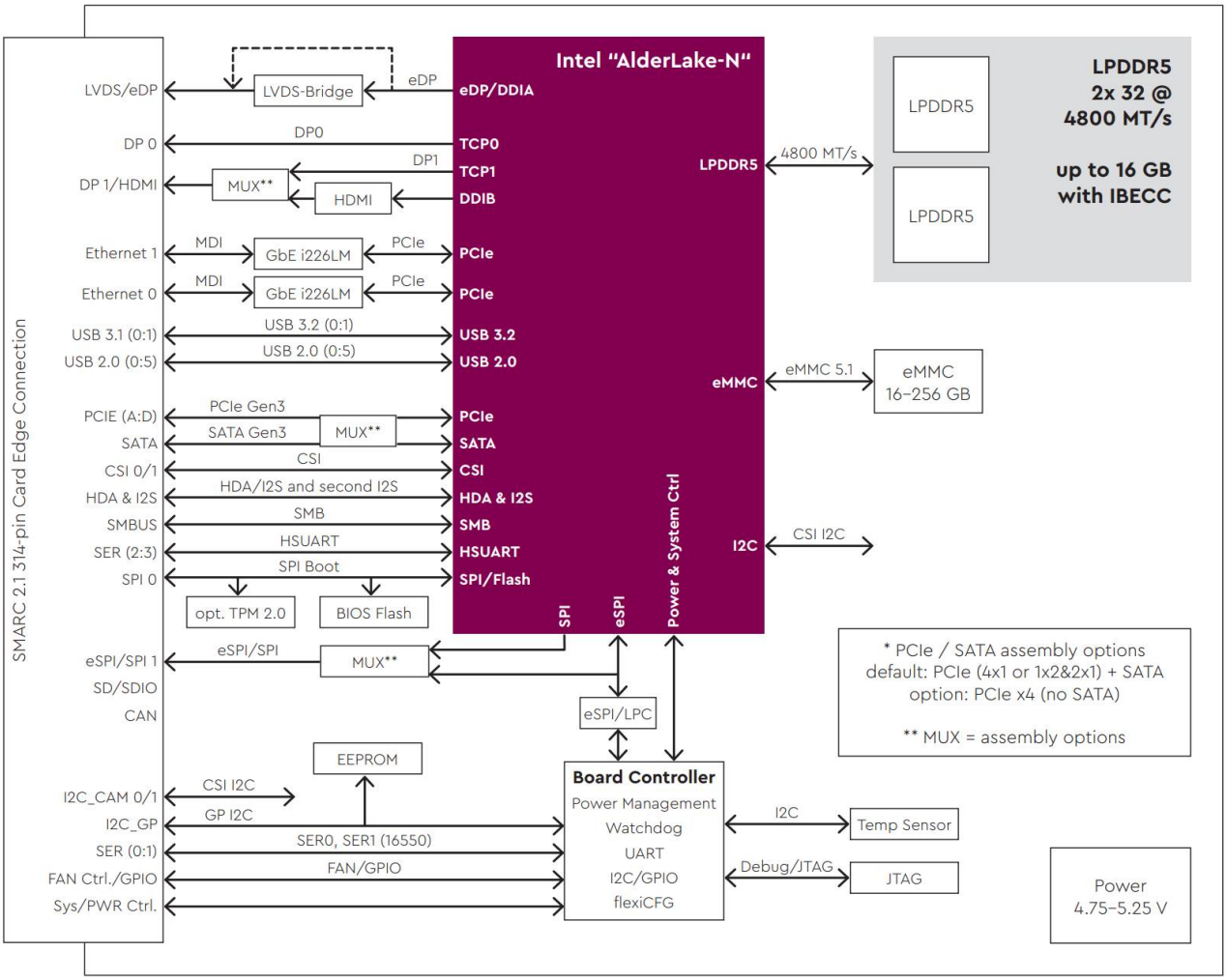
pcie:
: 4 gen 3 (1x4, 2x2, 4x1)

sata:
: 1 (not in pcie 4x mode)

sdio:
1
dimension:
82x50
datasheet:
link
struct:

page:
page

BLOCK DIAGRAM TQMXE41S



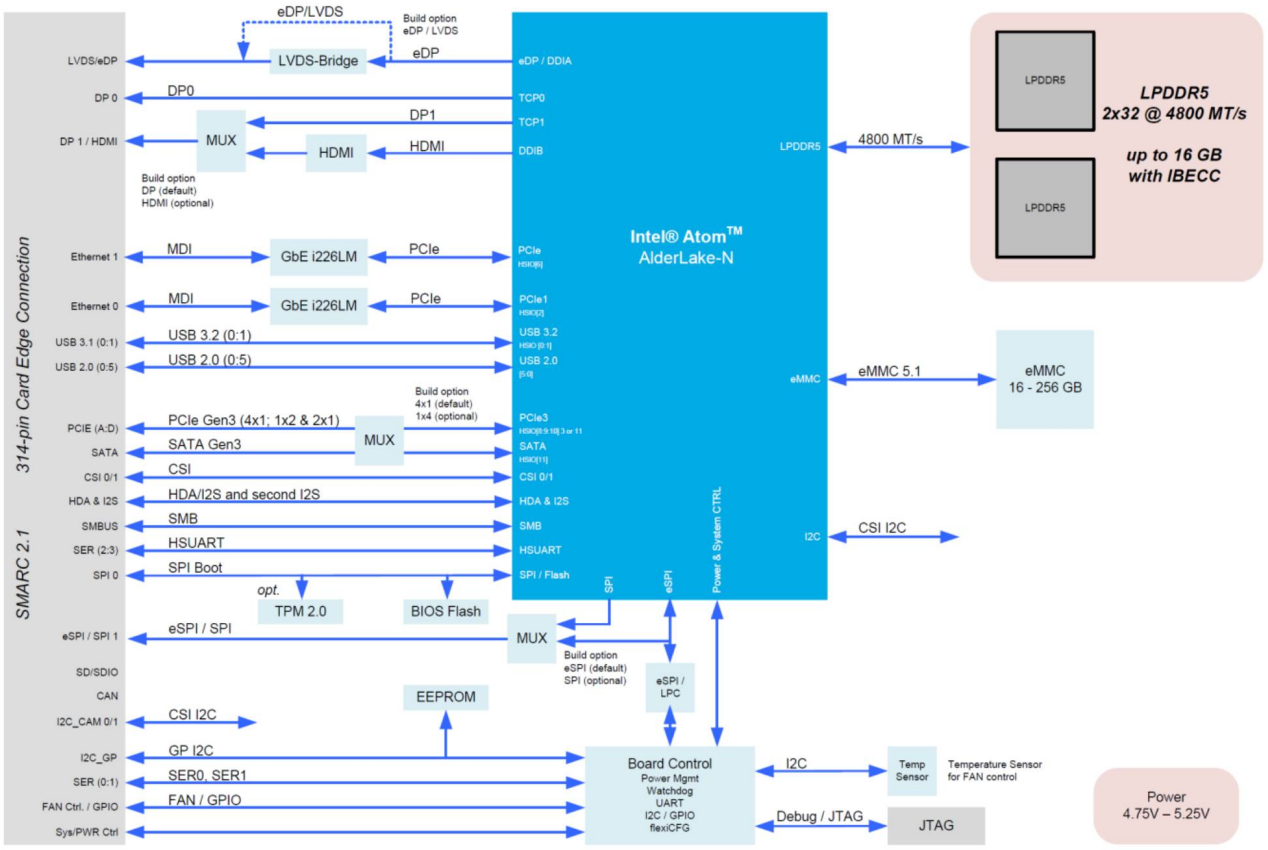


Figure 1: Block Diagram TQMxE41S

Intel® Core™ i3-N305	(8-Core, 1.8/3.8 GHz, 32 EU, 15 W TDP)
Intel® Core™ i3-N305*	(8-Core, 1.0/3.8 GHz, 32 EU, 9 W cTDP)
Intel Atom® x7425E	(4-Core, 1.5/3.4 GHz, 24 EU, RT, 12 W TDP)
Intel Atom® x7413E	(2-Core, 1.7/3.2 GHz, 16 EU, RT, 10 W TDP)
Intel Atom® x7411E	(2-Core, 1.0/3.2 GHz, 16 EU, RT, 6 W TDP)
Intel® Processor N200	(4-Core, 1.0/3.7 GHz, 32 EU, 6 W TDP)
Intel® Processor N97	(4-Core, 2.0/3.6 GHz, 24 EU, 12 W TDP)
Intel® Processor N50	(2-Core, 1.0/3.4 GHz, 16 EU, 6 W TDP)