Содержание

TQ-Embedded TQMxE40S 3

TQ-Embedded TQMxE40S

pic:



pn:
: TQMxE40S

formfactor:
: SMARC

manufacturer:
: TQ-Embedded

cpu:
: Intel Atom® x6000 series
: Elkhart Lake

emmc:
: 256 GB

ram:
: 16 GB LPDDR4x

eeprom:
: 32kbit

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:
: 4

usb3:
: 2

can:
: 2

uart:
: 4 (2 full)

spi:
: 1 + 1 espi

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

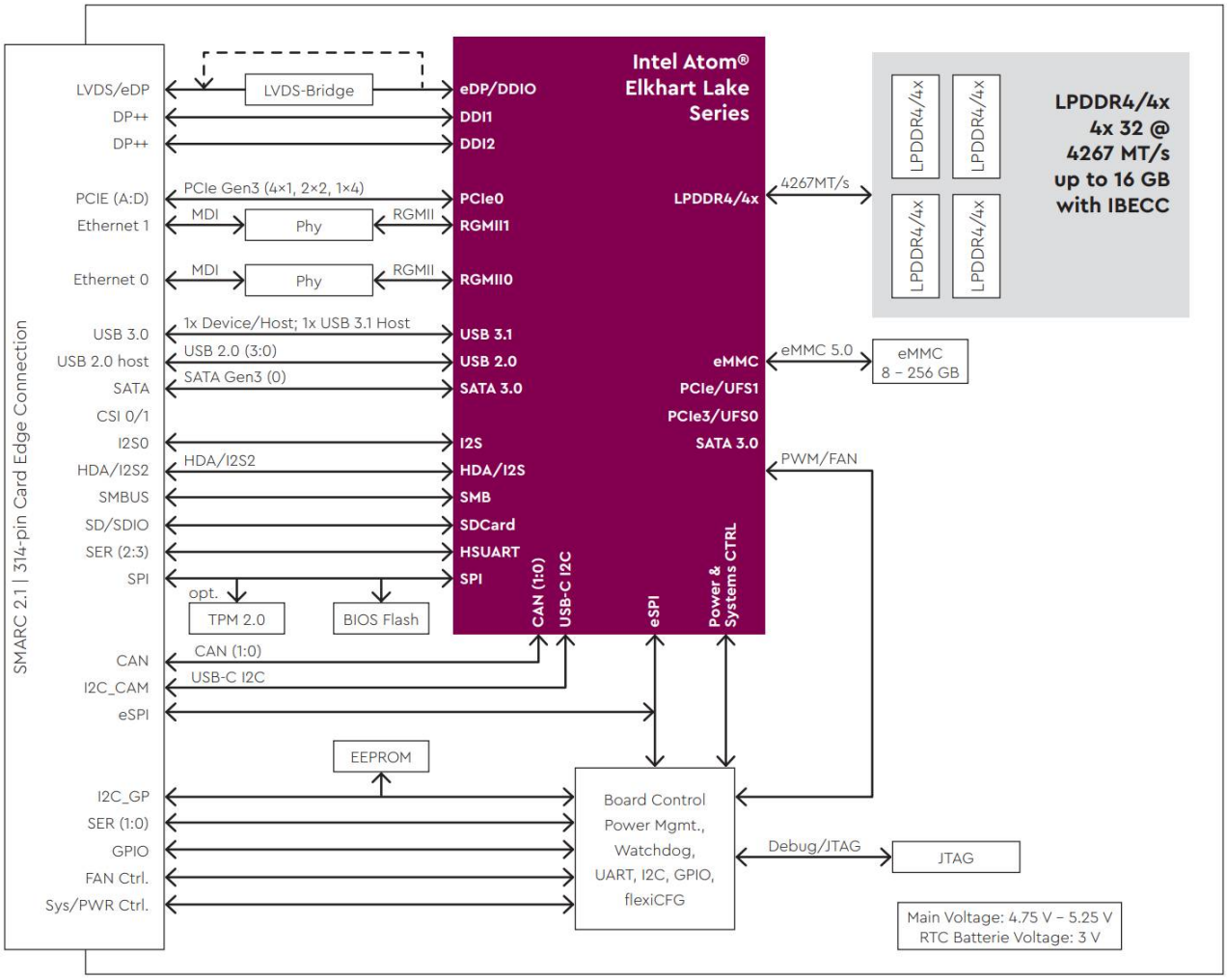
i2:
: 2

sata:

1
sdio:
1
i2c:
1
smbu:
1
gpio:
14
dimension:
82x50
datasheet:
link
struct:

page:
page

BLOCK DIAGRAM TQMXE40S



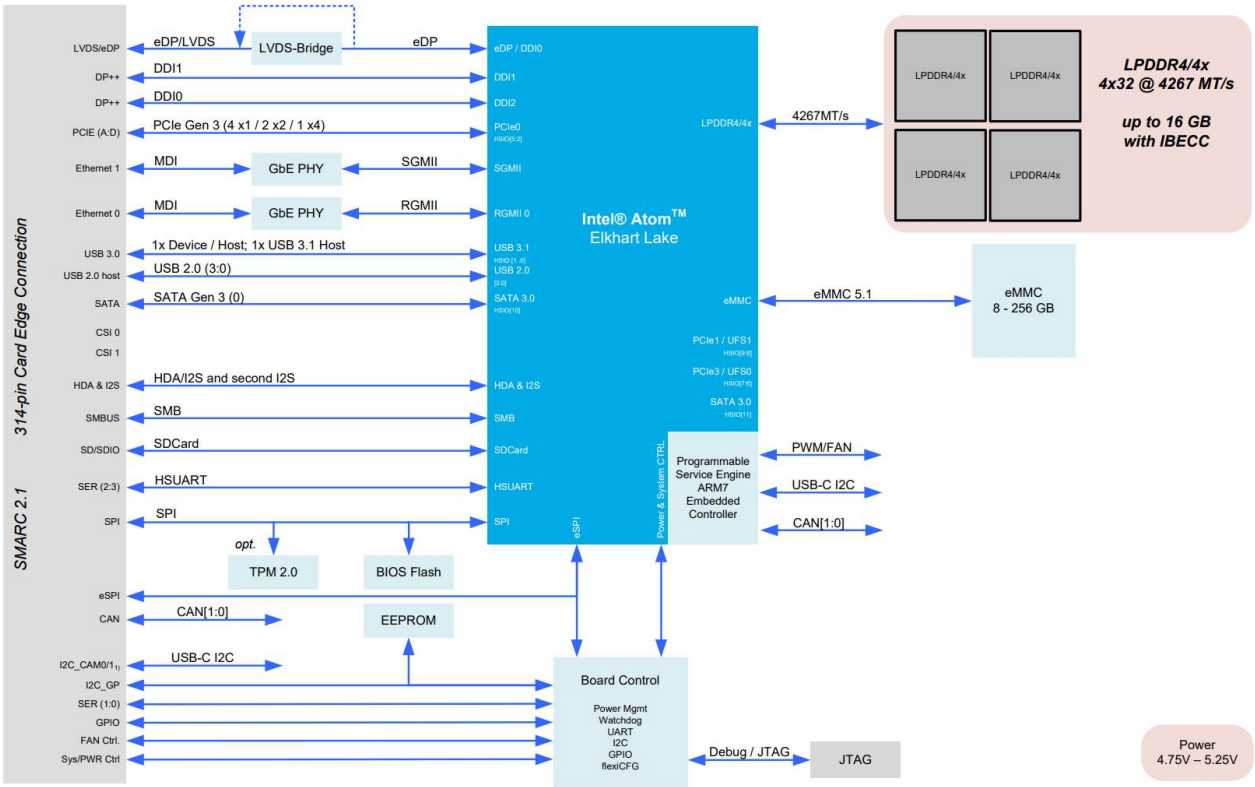


Figure 1: Block Diagram TQMxE40S

TQMxE40S-AA	Intel Atom® x6425RE	16 GB	LPDDR4x	8 GB eMMC	eDP		-40°C...+85°C
TQMXE40S-AB	Intel Atom® x6414RE	8 GB	LPDDR4x	32 GB eMMC	LVDS	TPM 2.0	-40°C...+85°C
TQMXE40S-AC	Intel Atom® x6212RE	4 GB	LPDDR4x	16 GB eMMC	LVDS	TPM 2.0	-40°C...+85°C
TQMXE40S-AD	Intel Atom® x6425E	16 GB	LPDDR4x		LVDS	TPM 2.0	-40°C...+85°C
TQMXE40S-AE	Intel Atom® x6413E	8 GB	LPDDR4x		LVDS	TPM 2.0	-40°C...+85°C
TQMXE40S-AF	Intel Atom® x6211E	4 GB	LPDDR4x	32 GB eMMC	LVDS	TPM 2.0	-40°C...+85°C
TQMXE40S-AG	Intel Atom® x6425RE	8 GB	LPDDR4x	32 GB eMMC	LVDS	TPM 2.0	-40°C...+85°C