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Congatec Conga-MA7

pic:



pn:

Conga-MA7

formfactor:

COM Express Type 10

manufacturer:

Congatec

cpu:

Intel Atom x6000E

emmc:

32/64 GB

ram:

2/4/8/16 GB LPDDR4

temprange:

0...+60 °C, -40...+85 °C

edp:

1 (or LVDS)

dp:

1 DP/HDMI/VDI

lvd:

Single Channel via eDP<>LVDS IC (or eDP)

ethernet:

1 (1 GBit, SGMII) (TI DP83867CS)

dsi:

-

csi:

-

usb2:

6(8)

usb3:

2

can:

-?

uart:

2 from EC/2 CAN from EC/2 CAN from SoC

spi:

+ (BIOS, TPM 2.0)

pcie:

x4 x 1, x2 x 2, x1 x 4 gen 3

i2:

HDA

i2c:

1 (from EC\CPU)

smbu:

1 (from EC\CPU)

gpio:

4 GPI, 4 GPO from EC (or SDIO 3.0 from CPU option)

bmc:

MEC1705

tpm:

TPM 2.0

sata:

2 SATA III

sdio:

SDIO 3.0 (option)

bio:

AMI UEFI 256Mbit

dimension:

84 x 55 mm

lpc:

+ (eSPI<>LPC ECE1200????)

espi:

-

datasheetwww:

[link](#)

datasheet:

[link](#)

struct:



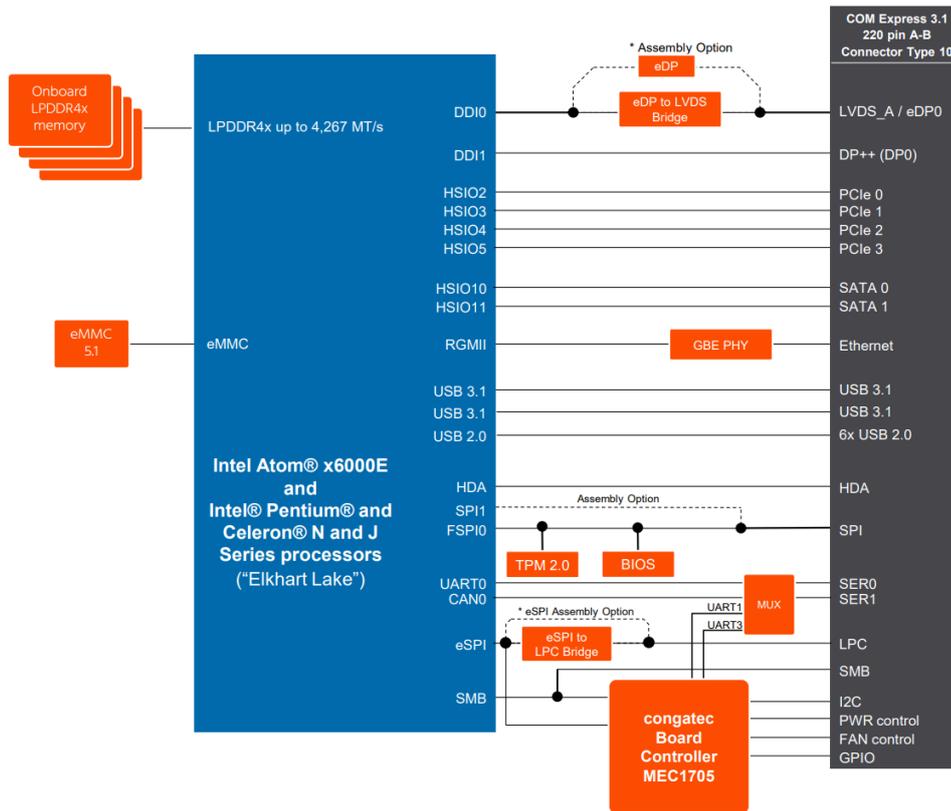
page:

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power:

4.75V (5V-5%) - 20V (19V+5%), AT/ATX Mode





docs

Conga-MA7	Congatec	SOM flyer	link
Conga-MA7	Congatec	User Manual	link
ECE1200	Microchip	eSPI<>LPC	link
MEC1705	Microchip	EC	link
DP83867CS	TI	Gigabit PHY	link

LPC

LPC Bus is supported by a eSPI-to-LPC bridge IC