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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 friom 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:

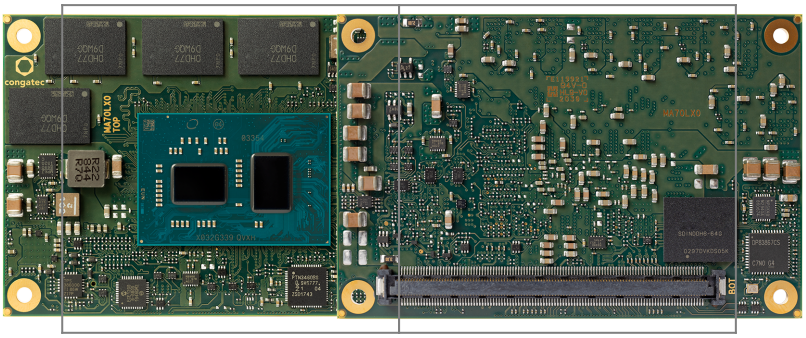


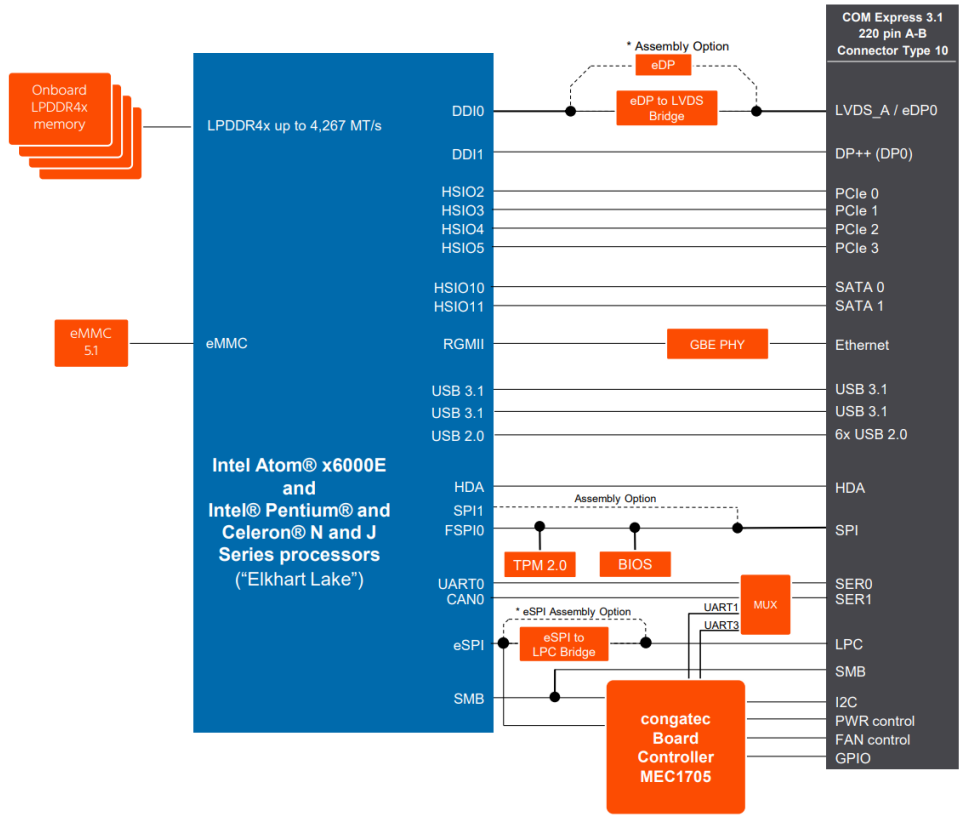
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power:

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