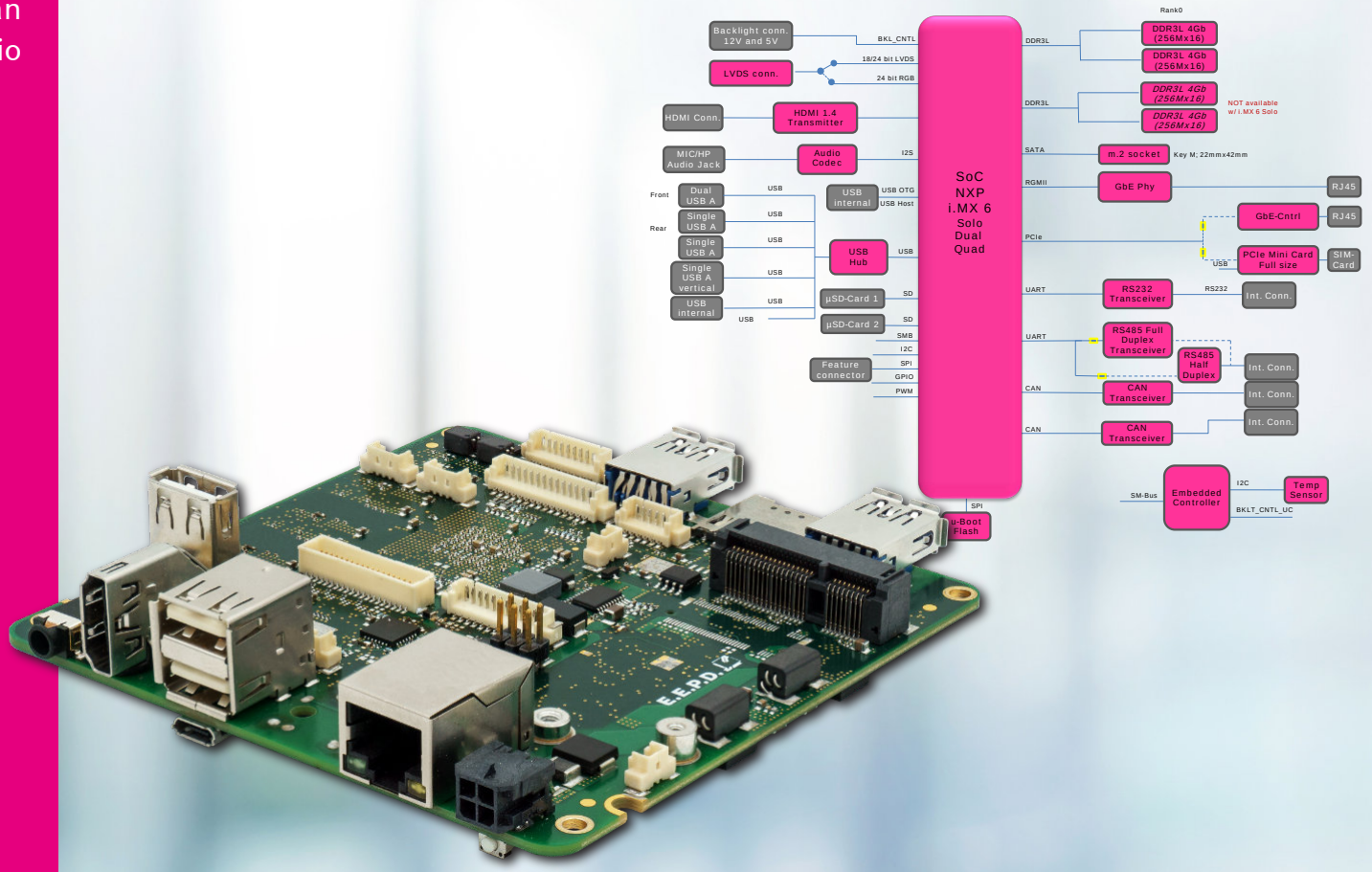
PROFIVE® NUCA

APPLICATIONS

The **PROFIVE®NUCA** was designed as a low power eNUC board with an excellent performance-per-watt ratio and is optimal adapted for:

_ IoT
edge / fog gateway
_ Rugged Industrial Systems
no rotating parts, low power
_ Medical Solutions
ARM® performance
_ Automotive Solutions
automotive grade power supply
_ Automatic Control
scalable, long term availability, flexible expansion
_ Measurement
USB-Client-Port



HIGH QUALITY
MADE IN GERMANY

15 years long life support [1]

12/24 V

E.E.P.D.
...just embedded!

eNUC 101x101

SPECIFICATIONS

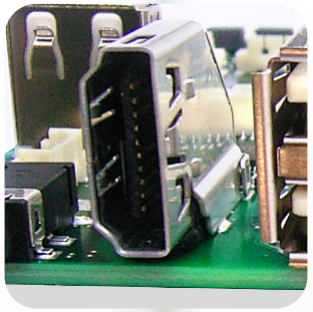
CPU	NXP i.MX6 processors[1]
Max. memory	Up to 2 GB DDR3L soldered memory onboard
Gigabit Ethernet	Up to 2 (Micrel KSZ9031RNX[2], Intel® I210 with IEEE1588)
PCI Express® Mini Card	1 full size socket with SIM Card support
SD-Card	Up to 2 MicroSD-Card sockets
M.2 socket	1 Key M, 22 mm x 42 mm (SSD only)
USB ports	Up to 7 USB 2.0 (fused to: 900mA each)
Serial ports	1 RS232/485 1 UART TTL 2 CAN
LVDS connector	1 dual channel 24-bit (optional 24-bit RGB)
HDMI connector	1 standard HDMI connector v1.4
Sound	I2S; MIC In, headphone Out
Other	I²C-, SPI-, PWM-connectors
Power supply	Min. 8 V / Max. 32 V (DC) automotive grade | KL15
Max. operating temp.	-40 °C to +85 °C ambient ind. grade
Max. storage temp.	-40 °C to +105 °C
Max. relative humidity	95 % @ 40 °C, non-condensing
Size approx.	102 mm x 102 mm
OS support	Linux (Yocto Project w/ FSL Community BSP 2.3)

[1] 15 years availability according to CPU manufacturers specification

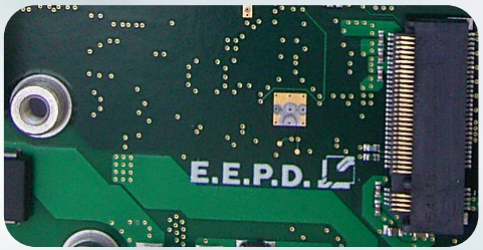
[2] 1st GbE port currently limited to 480 MBit/s

Ordering Code CPU	Description	Type
NUCAA	eNUC	i.MX6 Solo / 800 MHz / 256 MB memory down 1x ETH / 1x MicroSD-Card
NUCAB	eNUC	i.MX6 Quad / 800 MHz / 2 GB memory down 2x ETH / 2x MicroSD-Card / PCIe MiniCard w/o PCIe

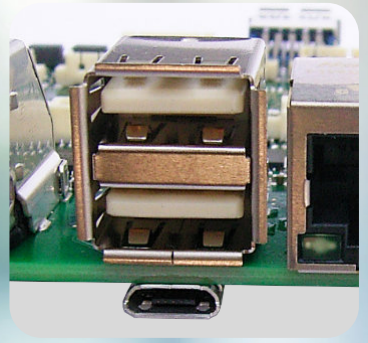
other on request



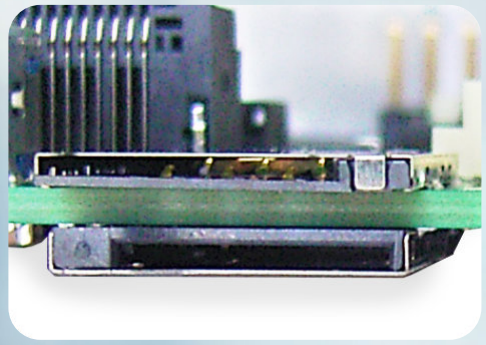
HDMI Connector



M.2 MiniCard Socket



Dual-USB- and MicroUSB-Port



MicroSIM- and MicroSD-Card Socket

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