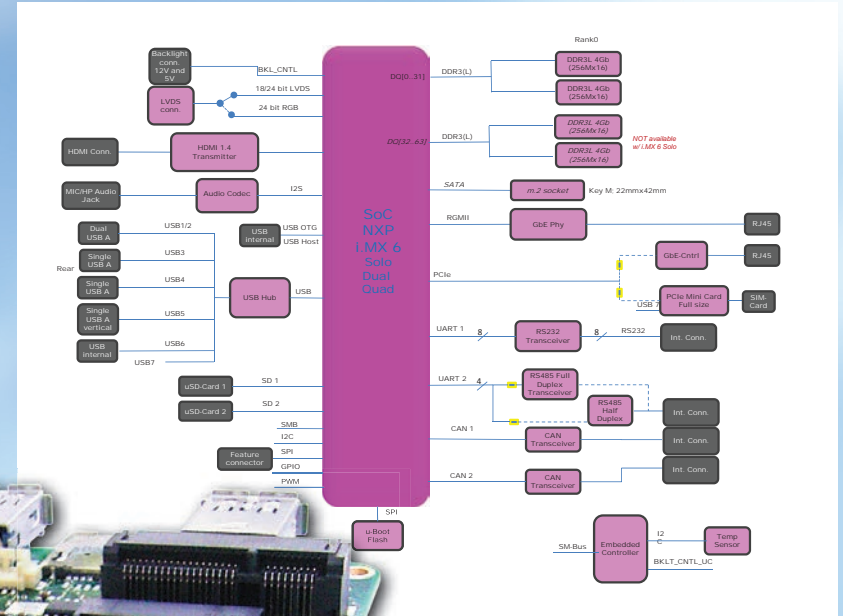
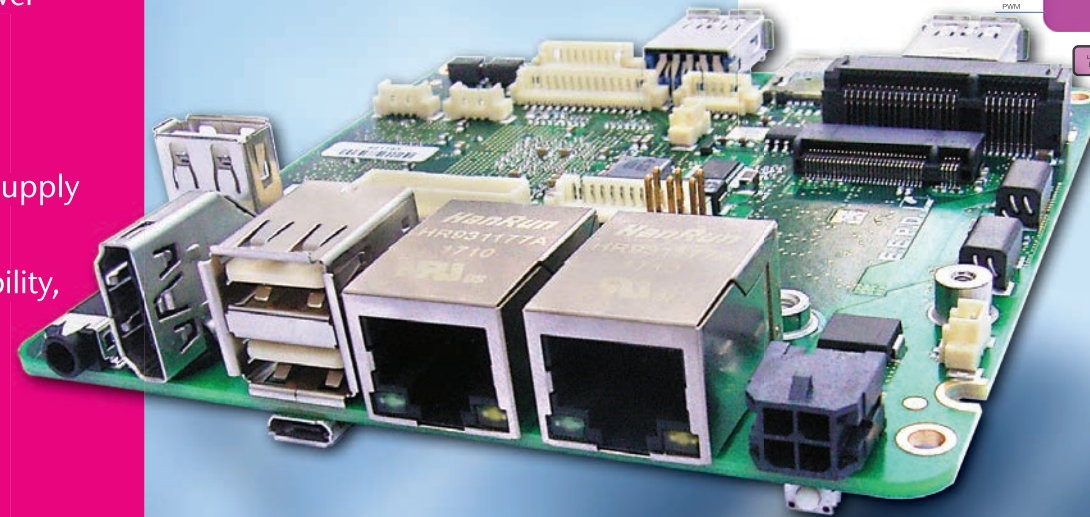


# PROFIVE® NUCA

## 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



## SPECIFICATIONS

CPU	NXP i.MX6 processors <sup>1</sup>
Max. memory	Up to 2 GB DDR3L soldered memory onboard
Gigabit Ethernet	Up to 2 <sup>2</sup> (Micrel KSZ9031RNX, Intel® I210)
PCI Express® Mini Card	1 full size socket with SIM Card support
SD-Card	Up to 2 MicroSD-Card sockets
M.2 socket	Yes (Key M, 22 mm x 42 mm)
USB ports	Up to 7 USB 2.0
Serial ports	1 RS232/485 1 UART TTL 2 CAN
LVDS connector	Yes, 24-bit dual channel (optional 24-bit RGB)
HDMI connector	Yes
Sound	I2S; MIC IN, headphone OUT
Other	I2C-, SPI-, PWM-connectors
Power supply	Min. 8 V / Max. 32 V automotive grade
Max. operating temperature	-40 °C to +85 °C ambient industrial grade
Max. storage temperature	-40 °C to +105 °C
Max. relative humidity	95% @ 40 °C, non-condensing
Size approx.	101,6 mm x 101,6 mm
OS support	Linux (Yocto Project 2.0 w/ NXP BSP 4.1.15_1.0.0)

<sup>1</sup> 10 years availability according to manufacturers specification

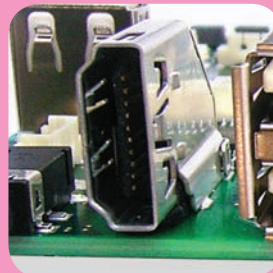
<sup>2</sup> 1st GbE port currently limited to 480 MBit/s



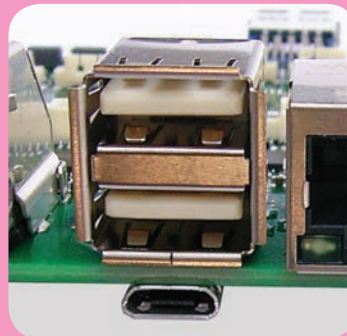
TÜV SÜD approved  
quality management  
system

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

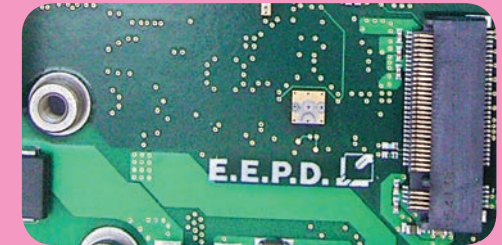
### other on request



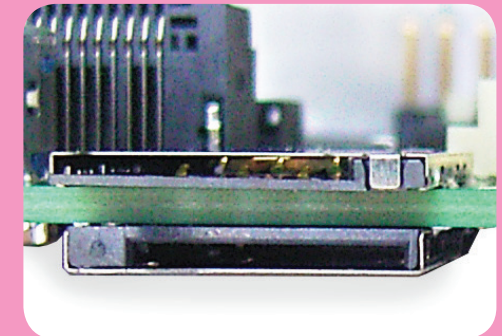
HDMI Connector



Dual-USB- and MicroUSB-Port



M.2 MiniCard Socket



MicroSIM- and MicroSD-Card Socket

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#### LIFE SUPPORT APPLICATIONS

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