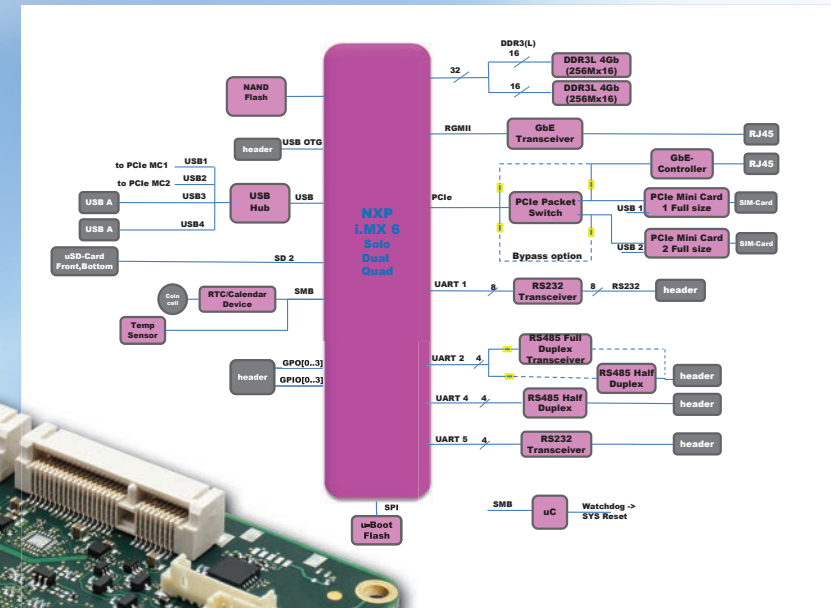
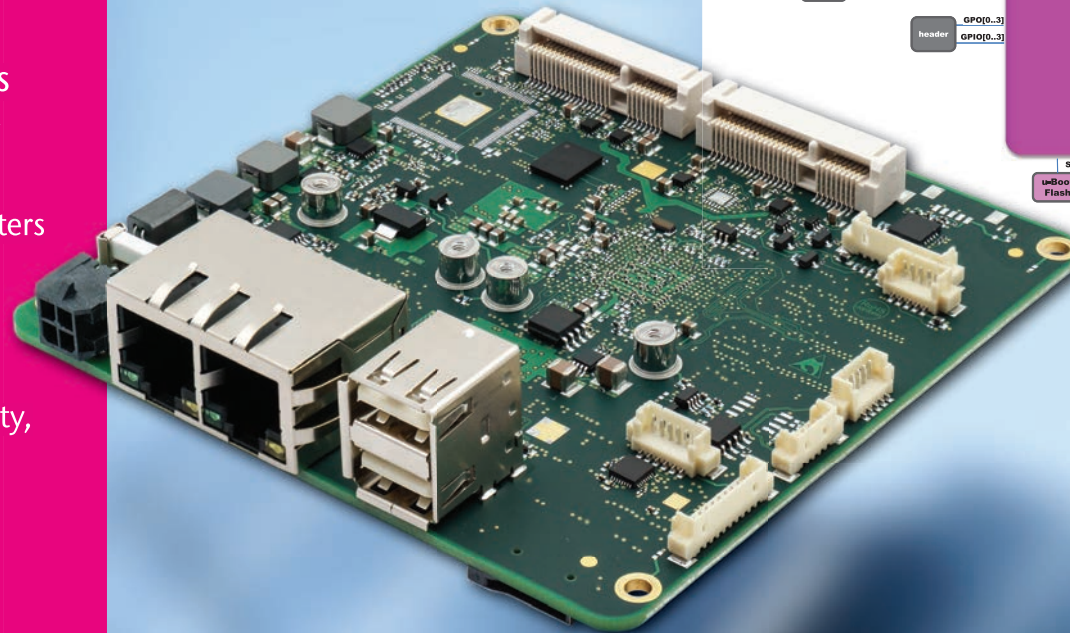




APPLICATIONS

The **PROFIVE® NUCO** was designed as 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
- _ Telecommunication
 - industrial-grade outdoor routers
- _ Medical Solutions
 - ARM® performance
- _ Automatic Control
 - scalable , long term availability,
 - flexible expansion
- _ Measurement
 - USB-Client-Port



Made in Germany



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

eNUC 101x101

SPECIFICATIONS

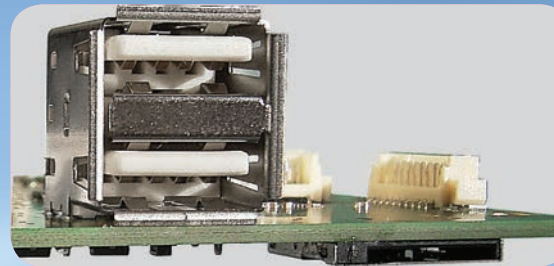
CPU	NXP i.MX6 processors ¹
Max. memory	Up to 1 GB DDR3 soldered memory onboard
Gigabit Ethernet	Up to 2 (MICREL KSZ9031RNX ² , Intel® I210 with IEEE1588)
PCI Express® Mini Card	Up to 2 sockets Prepared for modem support Each with SIM Card socket
NAND flash	2 Gbit
SD-Card	1 MicroSD-Card (up to SDR104 speed grade; 104 MB/s max.)
USB ports	2 USB 2.0
USB OTG	Optional
COM ports	Up to 4 1 RS232 (8 signal pins) 1 RS485 half (optional full) duplex 1 RS485 half duplex 1 RS232 (4 signal pins)
GPIO	4 In (3,3 V LV _{TTL} level) 4 Out (3,3 V LV _{TTL} level)
Other	RTC Watchdog Temperature sensor
Power supply	Min. 8 V / Max. 60 V (DC)
Max. operating temperature	-40 °C to +85 °C ambient industrial grade
Max. storage temperature	-40 °C to +105 °C
Max. rel. humidity	95% @ 40 °C, non-condensing
Size approx.	101,6 mm x 101,6 mm
OS support	Linux (Yocto Project w/ FSL Community BSP 2.3)

¹ 15 years availability according to CPU manufacturers specification

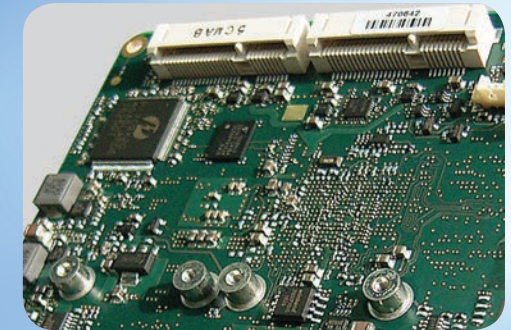
² 1st GbE port currently limited to 480 MBit/s

Ordering Code CPU	Description	Type
NUCOA	eNUC	i.MX6 Solo / 800 MHz / 256 MB memory down / 1 GbE / 1 PCI Express® Mini Card USB only
NUCOB	eNUC	i.MX6 Quad / 800 MHz / 1 GB memory down / 2 GbE

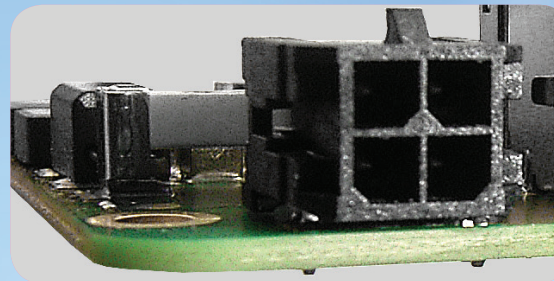
other on request



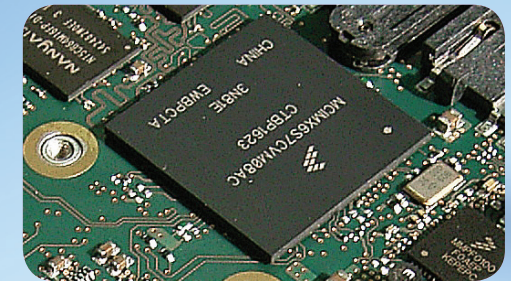
USB Ports



PCI Express® Mini Cards



Power Connector



i.MX Solo or Quad Core Processor



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LIFE SUPPORT APPLICATIONS

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