

APPLICATIONS

The PROFIVE® A6i is an ultra-low power device. Based on ARM® Cortex A9 technology, it is designed for fanless operation in powerful and compact systems. The Freescale i.MX 6 processor is best scalable and it provides an extremely balanced processor- / graphics- performance with best efficiency.

PROFIVE® A6i



- ▶ Freescale i.MX 6 processor Series ¹
- ▶ High Performance - Best Efficiency
- ▶ Fanless operation
- ▶ Up to 1 GB DDR3 soldered memory onboard with 800 MHz support
- ▶ Gigabit Ethernet ²
- ▶ HDMI 1.4a Port
- ▶ USB 2.0 port
- ▶ microSD Card Slot
- ▶ Serial Ports RS232 and RS485
- ▶ Mini PCI Express® Card Reader
- ▶ Design, Production and Support "Made in Germany"

¹ 10 years availability according to manufacturers specification

² currently limited to 480Mbit/s

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LIFE SUPPORT APPLICATIONS

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Febuary 2014 - Version 1a

PROFIVE® A6i

CPU	Freescale i.MX 6 processor 6Solo / 800 MHz Core / 512 KB cache / 400 MHz memory ▶ Dual and Quadcore on request
Max. memory	1 GB DDR3 soldered memory onboard
PCI Express® Mini Card	1 half size Socket (order option)
Gigabit Ethernet	Yes (max. 480 Mbit/s)
USB ports	1 host, 1 client
CAN bus	CAN bus port
COM ports	1 RS232 / 1 RS485
Video interface	1 HDMI
GPIO	2 In, 2 out
SD-Card	up to 2 Sockets
Power Switch	2 220VDC, 250V AC, max. 2A
Power In	min. 8V - max. 28V, max. 2A
Thermal Measurement	RTD and Thermocouple
Max. operating temperature	-0°C to +70°C ambient
Max. rel. humidity	95% @ 40°C, non-condensing
Size approx	85 mm x 85 mm

