MODULARITY IS PRIME.

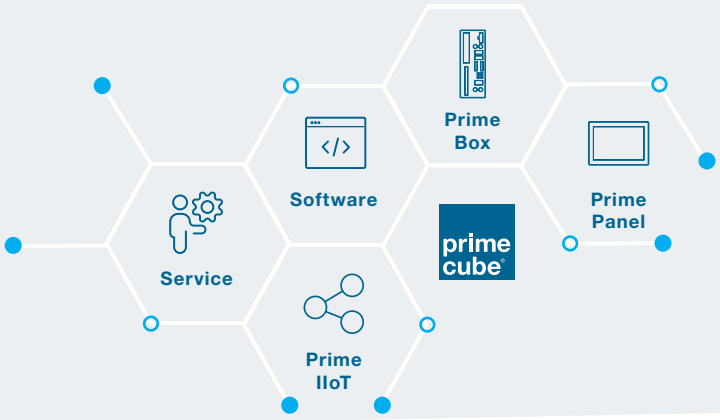
PRIME BOX PICO

FACT SHEET

ONE OF THE SMALLEST BOX PCS IN AN INDUSTRIAL ENVIRONMENT

- High connectivity with compact design
- Efficient x86-platform
- Robust system design for high demands
- Fanless CPU and system cooling

THE MODULAR SYSTEM PRIME CUBE®



Modular
Customized solutions of industrial computer technology with all advantages of standard products: Validated platforms, short development process, optimum price-performance ratio.

High Quality
For 24/7 operation in an industrial environment.
Reliable and robust.
Long-term available (10 years), with 36 months of warranty.

Application-oriented & Customizable
BASE / STYLE / CUSTOM

We are your partner in the complete solution process of industrial computer technology.

From sensor application to tool monitoring in the machine and from embedded computing systems to a future-oriented IoT gateway concept we represent all product steps with our product brands Prime Cube® and BK Mikro®. At our headquarters in Neuhausen ob Eck (Baden-Wurttemberg) our 170 employess develop and manufacture customized computer systems: from hardware and software to assemblies and complete systems - innovative force “Made in Germany”.

SCHUBERT
SYSTEM ELEKTRONIK

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Tel. +49 (0) 7467 9497-0
www.schubert-system-elektronik.de
info@schubert-system-elektronik.de

PRIME BOX PICO
TECHNICAL DATA

prime cube®

DESIGN		PRIME BOX PICO
Model Code		PBI1100ED_044
Dimensions (WxHxD)		55 x 170 x 92.3 mm
Weight		1.15 kg
Housing		Aluminium housing, powder-coated. Steel sheet rear panel, galvanized. Aluminium heat sink, anodized. Designed for wall mounting or mounting to 35 mm top-rail (EN 50022 and EN 50045).
Protection Class		IP20 acc. EN 60529
Processor		Intel® Atom x7-E3950, Quad Core, 1.6 GHz
Working Memory		Up to 8 GB DDR3L, 1600 MHz
		1x SODIMM
Mass Storage		1x mSATA 64 GB - 512 GB, flash memory Further memory sizes and flash technologies available.
Extensions		1x mPCIE full size
		1x DSUB 9 pol
Removable Storage (optional)		1x SD card holder. Optional incl. SD-card.
Interfaces (Mainboard)		2x GbE LAN, separate controllers, Intel® I210-IT
		4x USB 3.0
		1x DP
		1x HDMI
Interfaces (extendable)	**DSUB 9 pol**	1x RS232/422/485 (standard configuration)
	mPCIE	1x CAN, 1-fold DSUB 9 pol (Profibus, Profinet and further fieldbusses feasible)
		1x WLAN and BLUETOOTH
		1x mobile radio
Battery		Buffer battery externally exchangeable
Power Consumption		1.3 A / 31.2 W
Voltage Supply		24 V DC (12...32 V DC) internal line filter
Operating System		Windows IoT Enterprise LTSC
		Prime OS or LINUX: Debian, Buildroot
Ambient Temperature*		-10 °C ... +60 °C
Storage Temperature		-20 °C ... +60 °C
Humidity		10% ... 90%, non-condensing
EMC Immunity		Industrial area acc. EN 55024 & EN 61000-6-2
EMC Emission		Residential area acc. EN 55032 class B
Shock		15 g: 11 ms and 25 g: 6 ms acc. DIN EN60068-2-27
Vibration		2 ... 9 Hz: 3.5 mm amplitude, 9 ... 200 Hz: 1 g acc. EN 60068-2-6
Warranty		36 months
Approvals		CE; UL-listed for USA & Canada acc. UL 61010-2-201 & CSA C22.2 no. 61010-2-201

* not evaluated by UL.

Please find dimensional drawings as downloads on our website. 3D-models on request via e-mail to vertrieb@schubert-system-elektronik.de.

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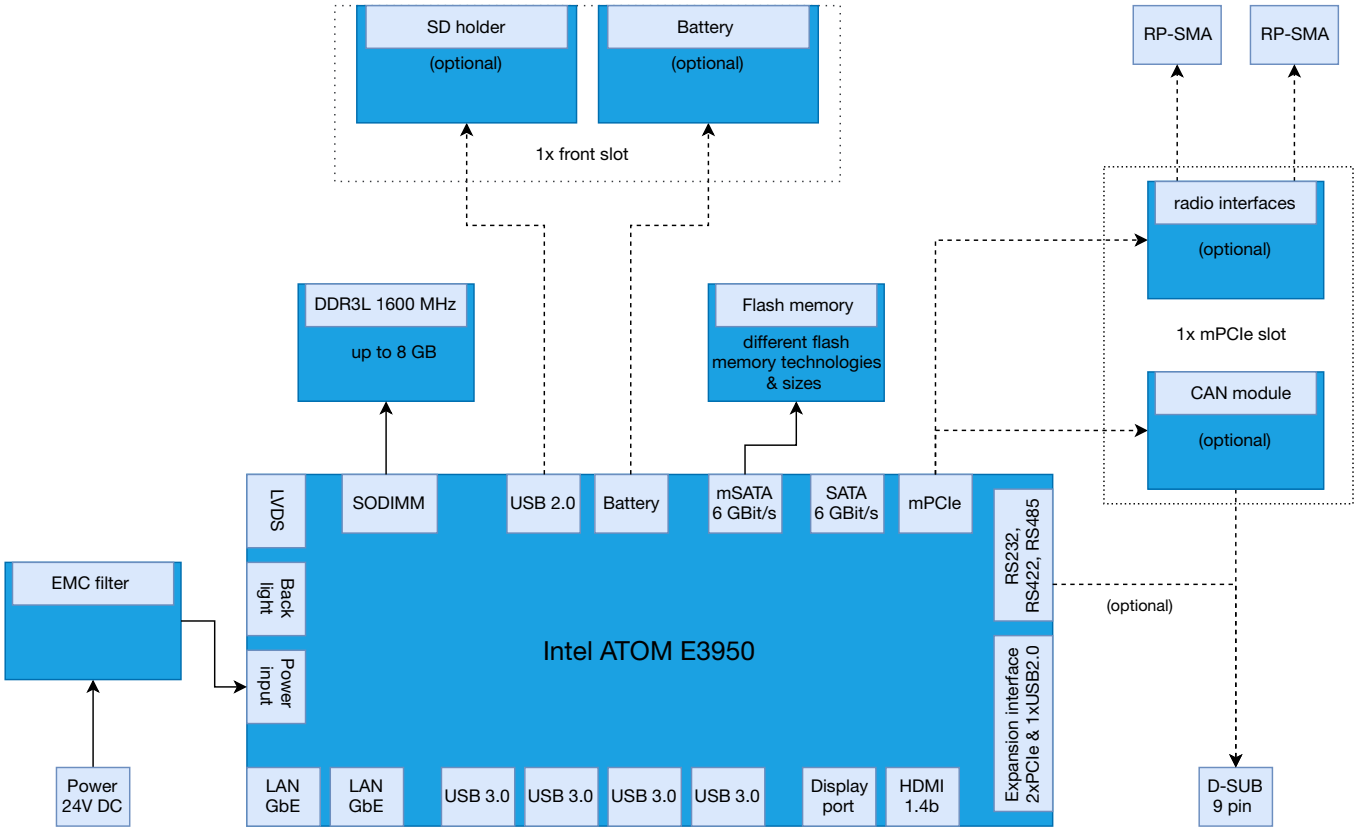
PRIME BOX PICO
CIRCUIT DIAGRAM



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