

PRIME BOX PICO

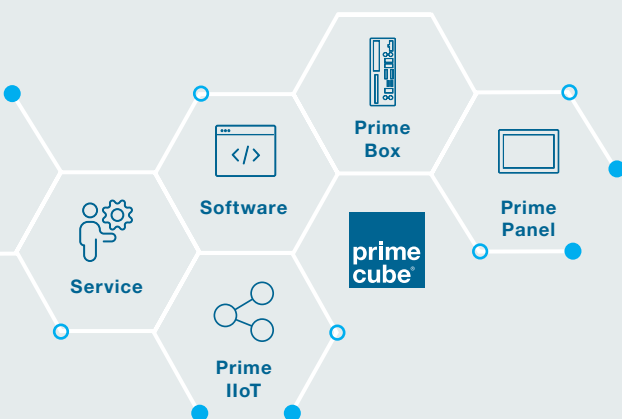
FACT SHEET

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 OF PRIME CUBE®



Modular

Customised modular solutions of industrial computer technology with all advantages of standard products: validated platforms, short development process, optimum price performance.



High quality

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



Application-oriented & customisable

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-Württemberg) we develop and manufacture with appr. 170 employees customised computer systems: From hardware and software to assemblies and complete systems - innovative force "Made in Germany".



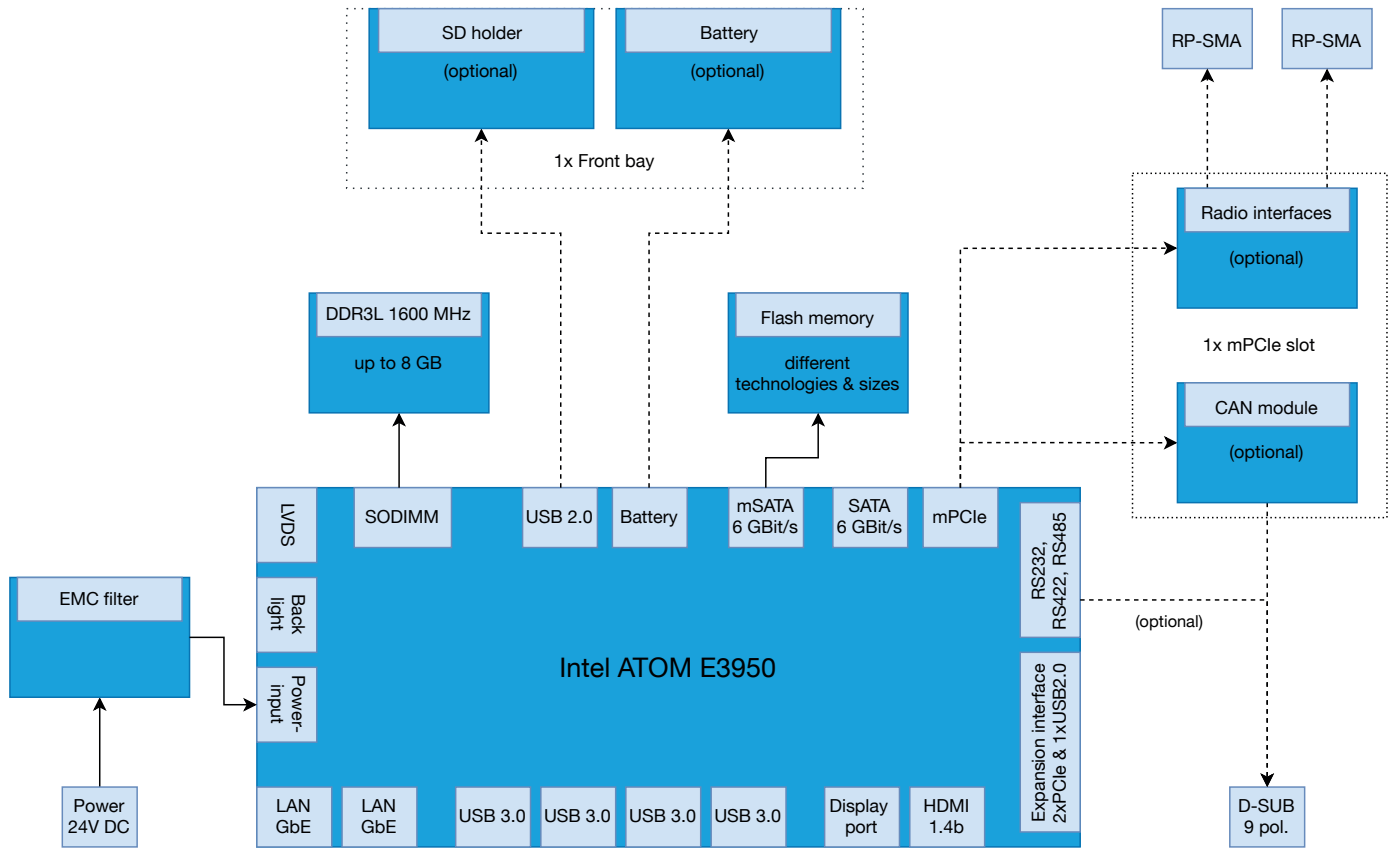
VERSION		PRIME BOX PICO
Type code		PBI1100ED_044
Dimensions (WxHxD)		55 x 170 x 92.3 mm
Weight		1.15 kg
Housing		Aluminium housing, powder-coated. Sheet steel rear wall, galvanized. Aluminum heat sink, anodized. Tabletop operation, wall mounting or mountable to 35 top-rail (DIN EN50022 and EN50045).
Protection class		IP20 acc. DIN EN 60529
Computer		Processor Intel® Atom x7-E3950, Quad Core, 1.6 GHz
Memory		Up to 8 GB DDR3L, 1600 MHz 1x SODIMM
Mass storage (other memory sizes and different flash technologies available)		1x mSATA 64 GB - 512 GB, flash memory
Extension		1x mPCIe full size 1x DSUB 9 pole
Removable storage (standard)		1x SD card holder. SD card optionally available.
Interfaces (standard)		2x GbE LAN, separate controllers, Intel® I211-AT 4x USB 3.0 1x DP 1x HDMI
Interfaces (optional – other options available)	DSUB 9 pole	1x RS232/422/485
	mPCIe	1x CAN, single DSUB 9 pole (Profibus, Profinet and other fieldbuses optionally available) 1x WLAN and BLUETOOTH 1x mobile communication
Battery		Buffer battery externally exchangeable
Supply voltage		24 V DC (12 ... 32 V)
Operating system		Windows 10 IoT Enterprise 2019 LTSC LINUX 64bit: Debian 10 Distribution
Ambient temperature*		-10 °C ... +45 °C with natural convection -10 °C ... +50 °C from 0.4 m/s air flow
Storage temperature		-20 °C ... +60 °C
Humidity		10% ... 90%, non-condensing
EMC resistance		Industrial area acc. DIN EN 55024 & DIN EN 61000-6-2
EMC emitted interference		Industrial area acc. DIN EN 55032 class A
Shock		15 g: 11 ms and 25 g: 6 ms acc. DIN EN 60068-2-27
Vibration		2 ... 9 Hz: 3.5 mm amplitude, 9 ... 200 Hz: 1 g acc. DIN EN 60068-2-6
Warranty		36 months
Approvals		CE; UL in preparation; acc. UL 61010-2-201 & CSA C22.2 no. 61010-2-201

* Test conditions: 14 W USB load, 100% CPU load, 100% RAM load, 100% SSD load

Dimension drawings can be downloaded from our [website](#). 3D models are provided on request by e-mail to vertrieb@schubert-system-elektronik.de.

Version 1.05 / 2021 © Schubert System Elektronik GmbH. All rights and modifications reserved. All data are non-binding and do not ensure any properties. The illustrations can also contain special fittings and accessories. We assume no liability for printing errors. The company names, names and logos used are largely protected by copyright and/or trademarks, even if not explicitly marked as such. All product names used are brand names and/or trademarks of the respective manufacturers.

PRIME BOX PICO CIRCUIT DIAGRAM



Dimension drawings can be downloaded from our [website](#). 3D models are provided on request by e-mail to vertrieb@schubert-system-elektronik.de.

Version 1.05 / 2021 © Schubert System Elektronik GmbH. All rights and modifications reserved. All data are non-binding and do not ensure any properties. The illustrations can also contain special fittings and accessories. We assume no liability for printing errors. The company names, names and logos used are largely protected by copyright and/or trademarks, even if not explicitly marked as such. All product names used are brand names and/or trademarks of the respective manufacturers.