MODULARITY IS PRIME.

prime cube®

PRIME PANEL PICO ATTACHMENT 15.6"
THE MULTITOUCH PANEL PC FOR DEMANDING TASKS

- IPC easy to configure in hardware and software
- Flexible and extensive connectivity
- High operational safety by robust system design and IP65

Housing
Passive, fanless cooling.
Modern design, "form follows function".
Optional with logo and color ident.

Glass Front
Optimum readability, low reflections.
Scratch-resistant.
Easy to clean.

Touch
High operational safety - even under disturbing influence.
EMC-stable 4-finger operation, glove operation (cat. 1) pre-parameterized.
Specific parameterization such as palm suppression or working gloves inhouse.

THE MODULAR SYSTEM PRIME CUBE®

Prime Box

Software

prime cube®

Prime Panel

Service

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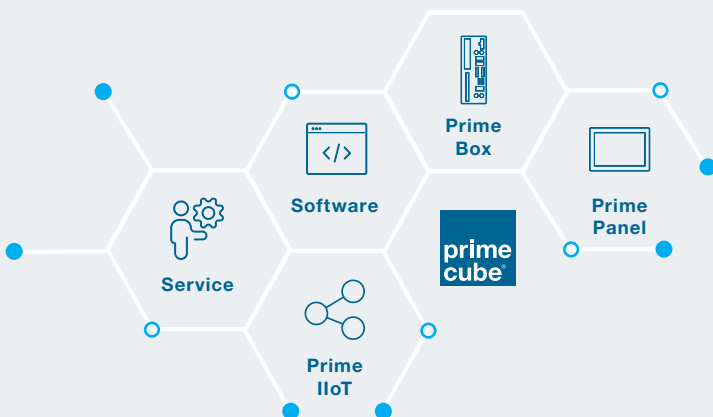
Modular
Customized solutions of industrial computer technology with all advantages of standard products: Validated platforms, short development process, optimum price-performance ratio.

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

DESIGN		PRIME PANEL PICO ATTACHMENT
		15.6"
Model Code		PPI1100AD_156
Dimensions (WxHxD)		406.5 x 256 x 80.5 mm
Weight		5.35 kg
Housing		Aluminium front frame, powder-coated. Aluminium rear panel, powder-coated. Aluminium computer core with heat sink, anodized. Hardened and AR-coated front glass. Designed for mounting to a VESA mounting.
Protection Class		IP65 acc. EN 60529 all around.
Display	Size	FHD display, 1920 x 1080 pixel, 16:9. Optional HD resolution.
	Luminance (typ.)	450 cd/m²
	Contrast Ratio (typ.)	800
	Viewing Angle (typ.)	85/85/85/85°
	Lifetime Lighting (min.)	50.000 h
Touch		Projected Capacitive Touch (PCT), 4-finger operation, up to 10-finger operation optional. Specific parameterization possible inhouse.
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-AT
		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 (integrated at front side or external antennae)
		1x mobile radio
		1x 2-fold USB 3.0, external
Battery		Buffer battery externally exchangeable
Voltage Supply		24 V DC (12...32 V DC)
Operating System		Windows 10 IoT Enterprise 2019 LTSC
		LINUX 64 bit: 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 Immunity		Industrial area acc. EN 55024 & EN 61000-6-2
EMC Emisson		Industrial area acc. EN 55032 class A
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 in testing; acc. UL 61010-2-201 & CSA C22.2 no. 61010-2-201

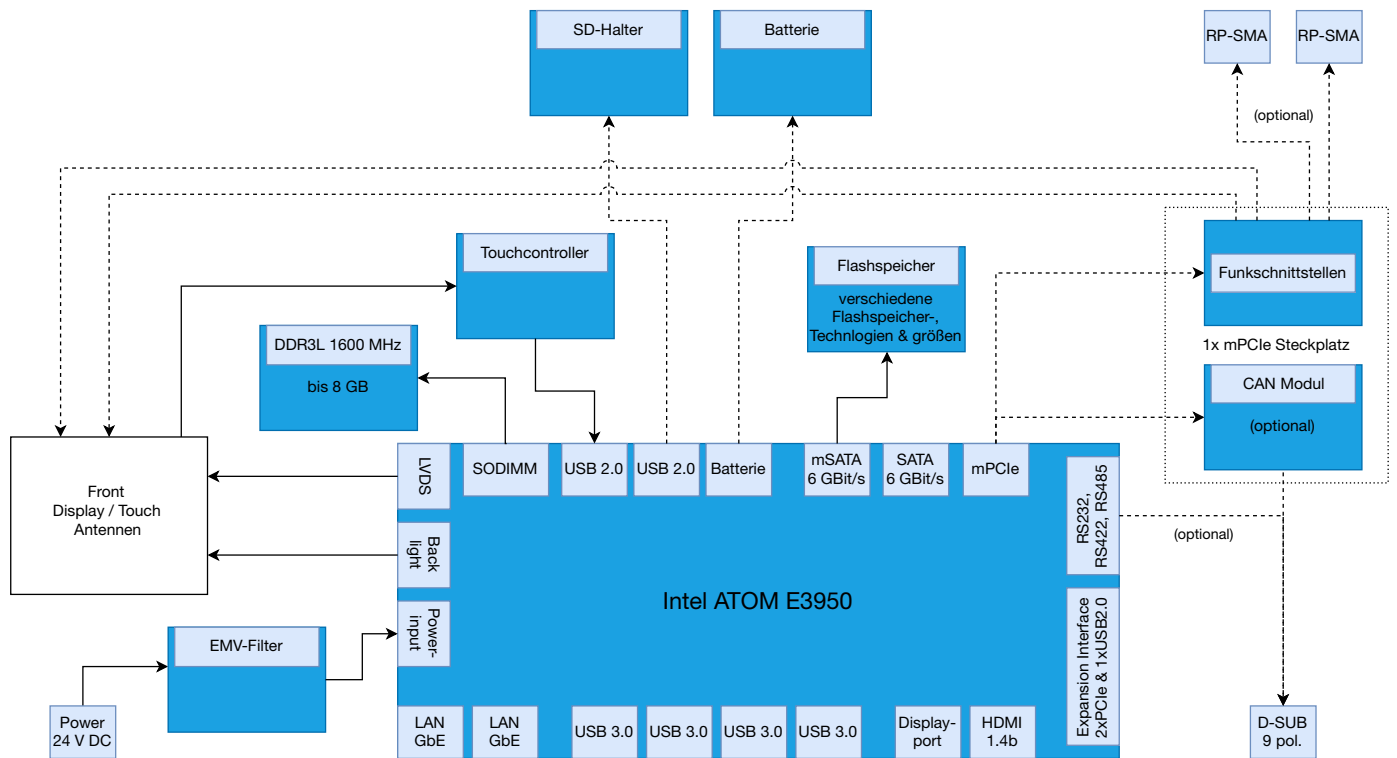* Functional system test at maximum ambient temperature and the highest possible internal heat load.
** not evaluated by UL.

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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