

## PRIME PANEL PICO INSTALLATION 15.6" MULTITOUCH PANEL PC FOR DEMANDING TASKS

FACT SHEET

- 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.

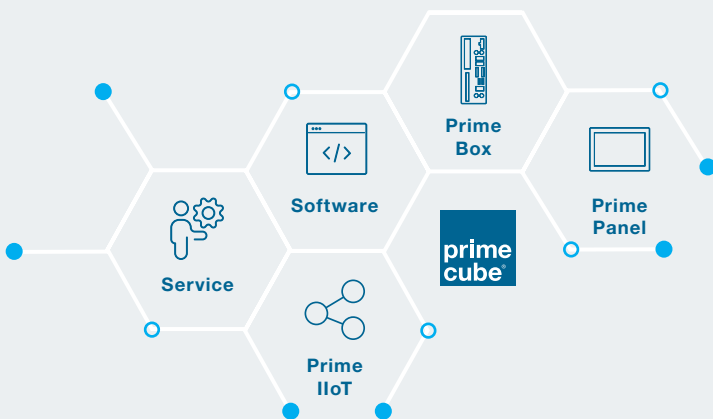


**Glass Front**  
Optimum readability, low reflections.  
Scratch-resistant.  
Easy to clean.



**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®



**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-Württemberg) our 170 employees develop and manufacture customized computer systems: from hardware and software to assemblies and complete systems - innovative force "Made in Germany".



# PRIME PANEL PICO INSTALLATION 15.6"

## TECHNICAL DATA

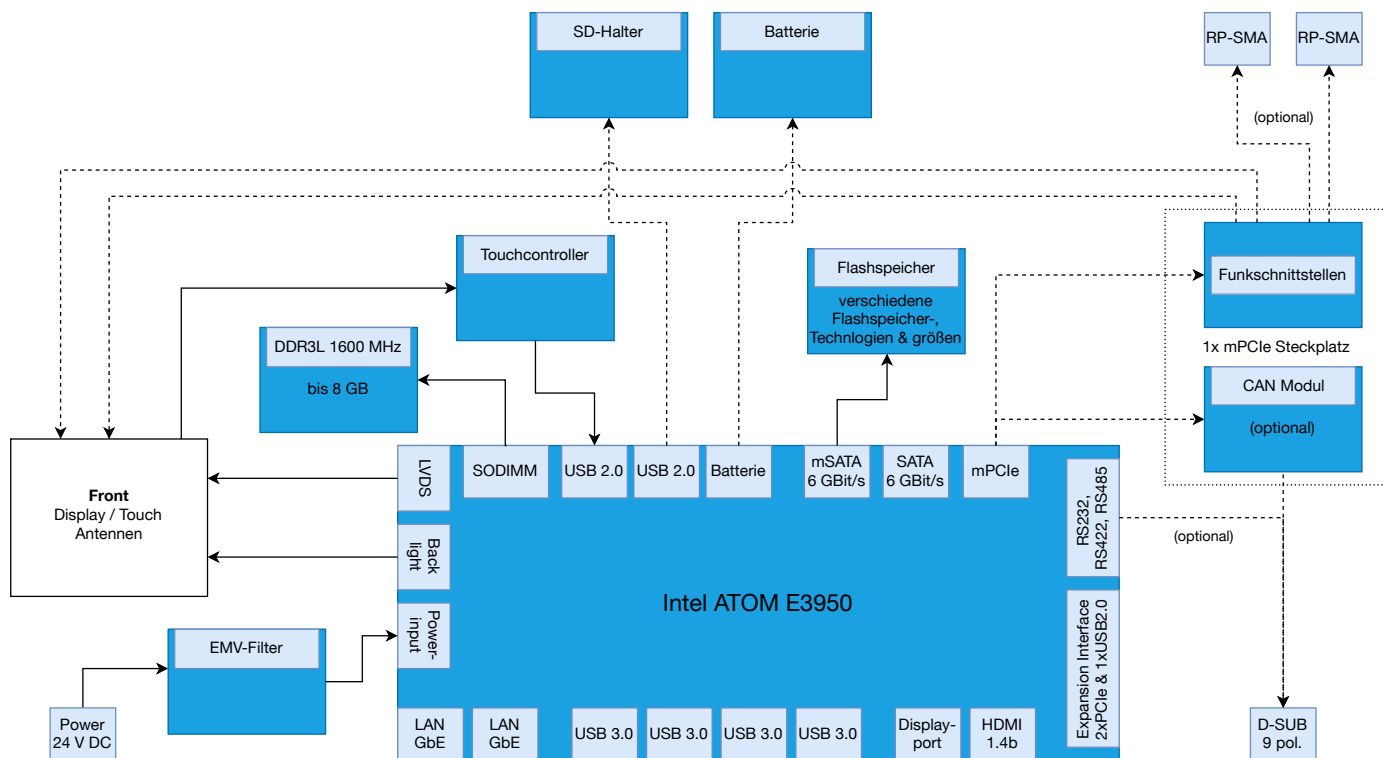
DESIGN		PRIME PANEL PICO INSTALLATION
		<b>15.6"</b>
<b>Model Code</b>		PPI1100ED_156
<b>Dimensions (WxHxD)</b>		406.9 x 256 x 79 mm
<b>Weight</b>		4.05 kg
<b>Housing</b>		Aluminium front frame, powder-coated. Steel sheet rear panel, galvanized. Aluminium computer core with heat sink, anodized. Hardened and AR-coated front glass. Designed for front installation by means of mounting clamps.
<b>Mounting Clamps</b>		10 pieces
<b>Protection Class</b>		IP65 acc. EN 60529, front side. IP20 acc. EN 60529, rear side.
<b>Display</b>	<b>Size</b>	FHD display, 1920 x 1080 pixel, 16:9. Optional HD resolution.
	<b>Brightness (typ.)</b>	450 nits
	<b>Contrast Ratio (typ.)</b>	800
	<b>Viewing Angle (typ.)</b>	85/85/85/85 °
	<b>Lifetime Lighting (min.)</b>	50,000 h
<b>Touch</b>		Projected Capacitive Touch (PCT), 4-finger operation, up to 10-finger operation optional. Specific parameterization possible inhouse.
<b>Computer</b>		Processor Intel® Atom x7-E3950, Quad Core, 1.6 GHz
<b>Working Memory</b>		Up to 8 GB DDR3L, 1600 MHz 1x SODIMM
<b>Mass Storage</b>		1x mSATA 64 GB - 512 GB, flash memory Further memory sizes and flash technologies available.
<b>Extensions</b>		1x mPCIe full size 1x DSUB 9 pol
<b>Removable Storage (optional)</b>		1x SD card holder. Optional incl. SD-card.
<b>Interfaces (standard)</b>		2x GbE LAN, separate controllers, Intel® I210-IT 4x USB 3.0 1x DP 1x HDMI
<b>Interfaces (extendable)</b>	<b>DSUB 9 pol</b>	1x RS232/422/485
	<b>mPCIe</b>	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
<b>Battery</b>		Buffer battery externally exchangeable
<b>Voltage Supply</b>		24 V DC (12...32 V DC)
<b>Operating System</b>		Windows 10 IoT Enterprise 2019 LTSC LINUX 64 bit: Debian 10 distribution
<b>Ambient Temperature*</b>		-10 °C ... +45 °C with natural convection -10 °C ... +50 °C from 0.4 m/s air flow
<b>Storage Temperature</b>		-20 °C ... +60 °C
<b>Humidity</b>		10% ... 90%, non-condensing
<b>EMC Interference Immunity</b>		Industrial area acc. EN 55024 & EN 61000-6-2
<b>EMC Emitted Interference</b>		Industrial area acc. EN 55032 class A
<b>Shock</b>		15 g: 11 ms und 25 g: 6 ms gemäß EN 60068-2-27
<b>Vibration</b>		2 ... 9 Hz: 3.5 mm amplitude, 9 ... 200 Hz: 1 g acc. EN 60068-2-6
<b>Warranty</b>		36 months
<b>Approvals</b>		CE; UL in testing; 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

Please find dimensional drawings as downloads on our [website](#). 3D-models on request via e-mail to [vertrieb@schubert-system-elektronik.de](mailto:vertrieb@schubert-system-elektronik.de).

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# PRIME PANEL PICO INSTALLATION 15.6” CIRCUIT DIAGRAM



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