

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

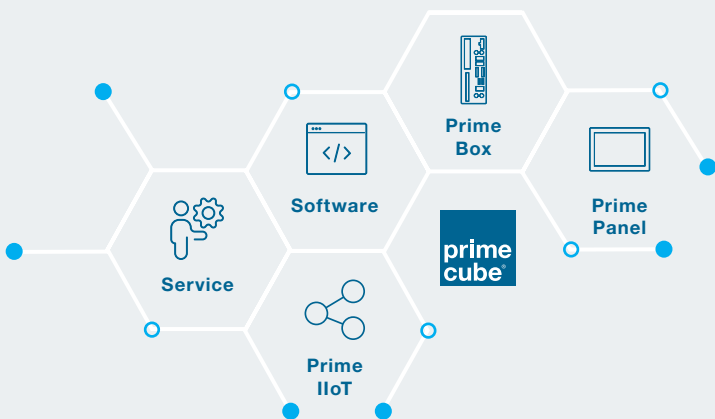
FACT SHEET

- 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 ATTACHMENT 15.6"

TECHNICAL DATA

prime
cube®

| 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. |
| | Brightness (typ.) | 450 nits |
| | 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. |
| Computer | | 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 (standard) | | 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 |
| | 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 Interference Immunity | | Industrial area acc. EN 55024 & EN 61000-6-2 |
| EMC Emitted Interference | | 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 |

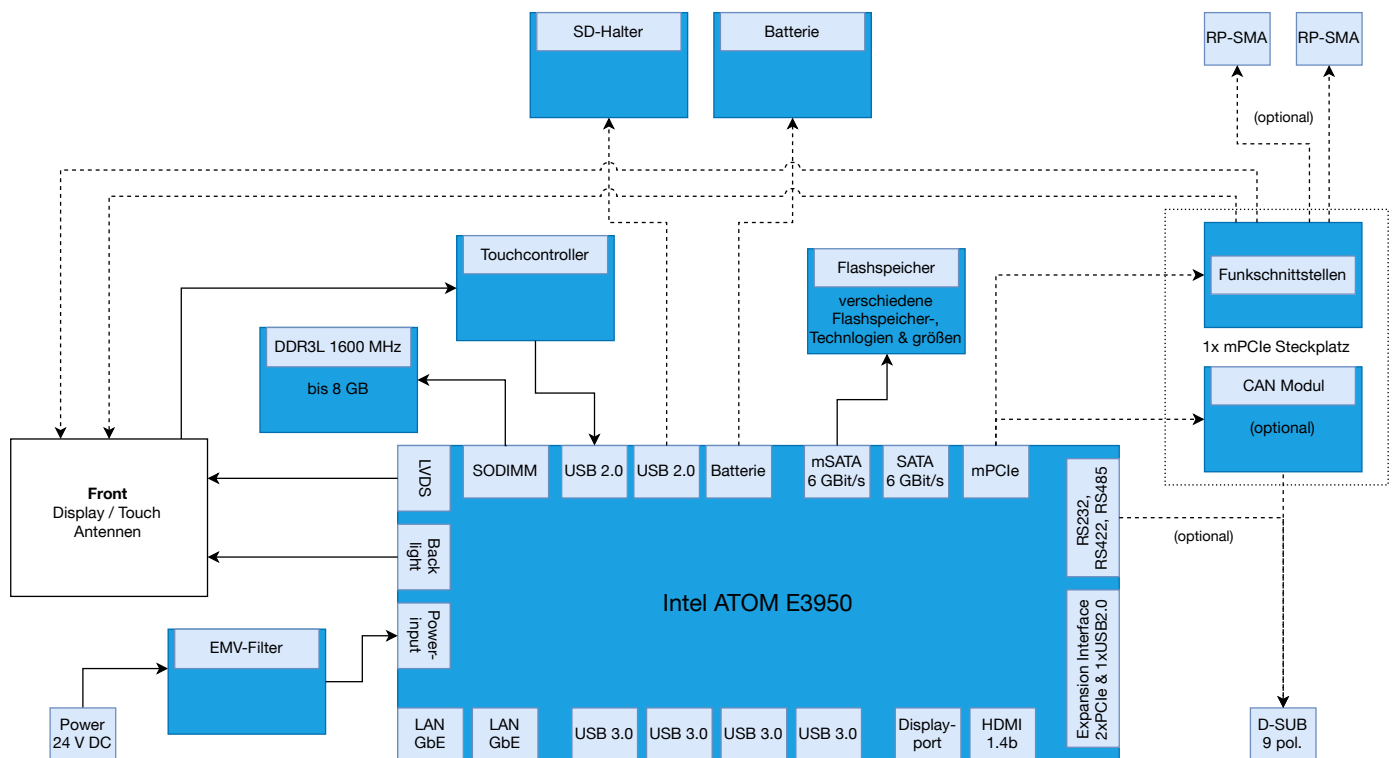
* test conditions: 14 W USB-load, 100% CPU-load, 100% RAM-load, 100% SSD-load

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

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CIRCUIT DIAGRAM



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