

PRIME PANEL PERFORMANCE ATTACHMENT 21.5” THE MULTITOUCH PANEL PC FOR DEMANDING TASKS

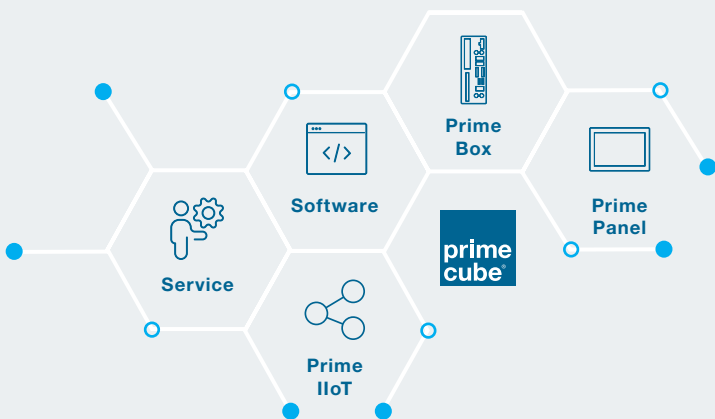
FACT SHEET

- 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 PERFORMANCE ATTACHMENT 21.5"

TECHNICAL DATA

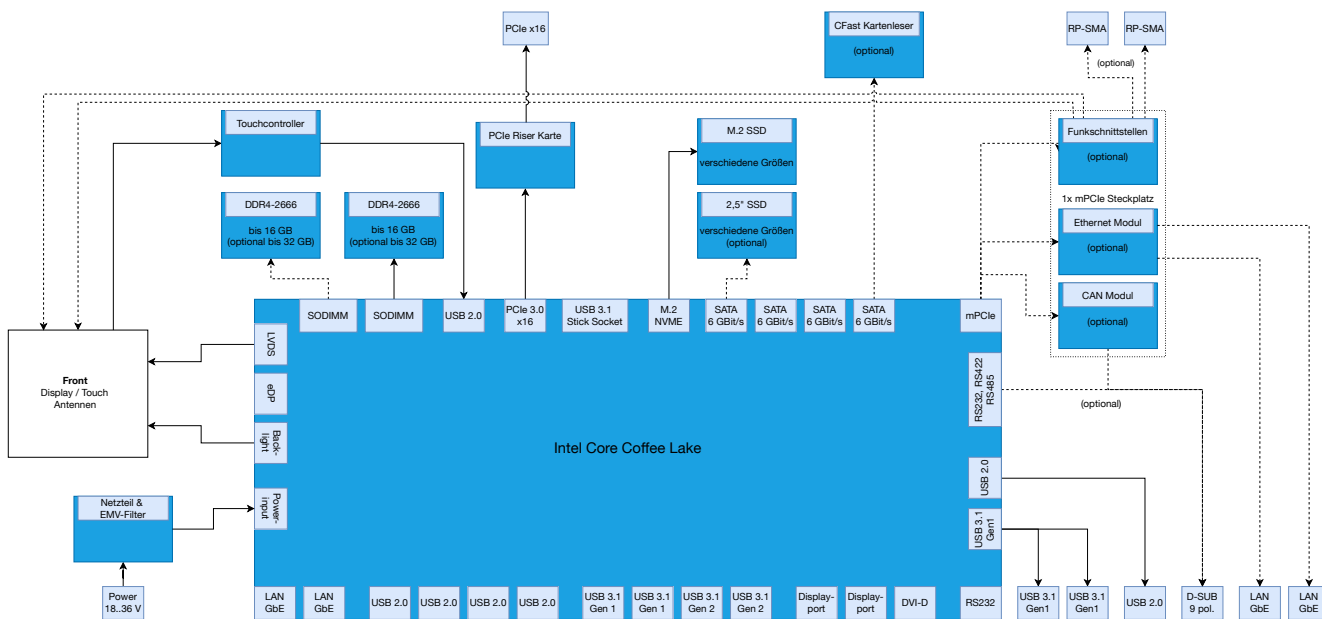
DESIGN		PRIME PANEL PERFORMANCE ATTACHMENT 21.5"
Model Code		PPI1000AD_215
Dimensions (WxHxD)		538.6 x 330.1 x 129 mm
Weight		12.5 kg
Housing		Aluminium front frame, powder-coated. Aluminium rear panel, powder-coated. Aluminium computer core with heat sink, anodized. Hardened and AR-coated front glass. Designed for mounting to a support arm system.
Protection Class		IP65 acc. EN 60529 all around.
Display	Size	FHD display, 1920 x 1080 px, 16:9.
	Brightness (typ.)	350 nits
	Contrast Ratio (typ.)	1000
	Viewing Angle (typ.)	89/89/89/89 °
	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		Intel® CELERON™ G4900T 8th Gen Intel® Core™ i3-8100T; i5-8500T; i7-8700T; 9th Gen Intel® Core™ optional.
Working Memory		Up to 32 GB DDR4-2666; 64 GB optional. 2x SODIMM, dual channel
Mass Storage		1x M.2 Key-M: 64 GB - 512 GB, flash memory 1x 2.5" SSD: 64 GB - 512 GB, flash memory or 1 TB HDD Further memory sizes and flash technologies available.
Extensions		1x mPCIe full-/half size 1x PCIe Slot x16 1x DSUB 9 pol
Removable Storage (optional)		1x CFast holder. Optional incl. CF-card.
Interfaces (standard)		2x GbE LAN, separate controllers, Intel® I219-LM & I210-AT 4x USB 2.0 1x USB 3.1 stick socket 2x USB 3.1 Gen. 1 2x USB 3.1 Gen. 2 1x RS232 2x PS/2 1x line in; 1x line out 2x DisplayPort 1x DVI-D 1x 2-fold USB 3.1, external
Interfaces (extendable)	DSUB 9 pol	1x RS232/422/485
	mPCIe	2x GbE LAN, separate controllers, Intel® I210 1x CAN, 2-fold DSUB 9 pol (Profibus, Profinet and further fieldbusses feasible) 1x WLAN and BLUETOOTH (integrated at front side or external antennae) 1x mobile radio
	PCIe-Slot Bracket	1x USB 2.0 2x USB 3.1 Gen. 1
Battery		Buffer battery based
Voltage Supply		24 V DC (18 ... 36 V DC), galvanically insulated
Operating System		Windows 10 IoT Enterprise 2019 LTSC LINUX 64 bit: Debian 10 distribution
Ambient Temperature*		-10 °C ... +45 °C with natural convection (up to +40 °C when using a HDD)
Storage Temperature		-10 °C ... +50 °C from 0.4 m/s air flow (up to +40 °C when using a HDD)
Humidity		-20 °C ... +60 °C
EMC Interference Immunity		10% ... 90%, non-condensing
EMC Emitted Interference		Industrial area acc. EN 55024 & EN 61000-6-2
Shock		Industrial area acc. EN 55024 & EN 61000-6-2
Vibration		15 g; 11 ms and 25 g; 6 ms acc. DIN EN60068-2-27
Warranty		2 ... 9 Hz: 3.5 mm amplitude, 9 ... 200 Hz: 1 g acc. EN 60068-2-6
Approvals		36 months 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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PRIME PANEL PERFORMANCE ATTACHMENT 21.5” CIRCUIT DIAGRAM



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