

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

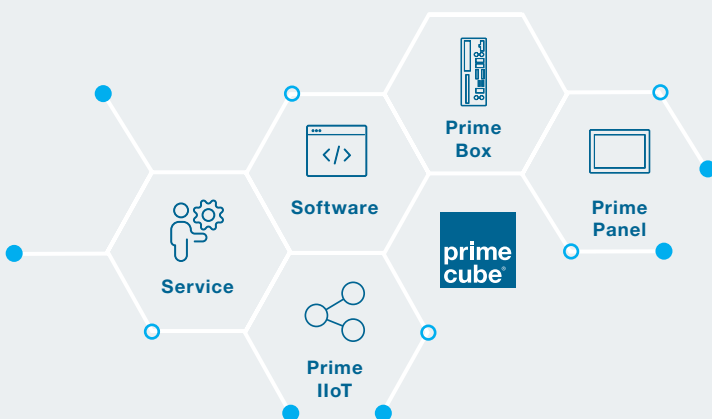
Optimum readability, low reflections.
Scratch-resistant.
Easy to clean.



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 IIoT 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

prime
cube®

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 anti-glare etched front glass. Designed for mounting to a support arm system.
Impact Resistance		IK08
Protection Class		IP65 acc. EN 60529 all around.
Display	Size	FHD display, 1920 x 1080 px, 16:9.
	Luminance (typ.)	350 cd/m ²
	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.
Processor		Intel® CELERON™ G4900T 8th Gen Intel® Core™ i3-8100T; i5-8500T; i7-8700T; 9th Gen Intel® Core™ optional.
Working Memory		Up to 2 x 16 GB DDR4-2666; 2 x 32 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 (Mainboard)		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 mPCIe	1x RS232/422/485 (standard configuration) 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
		1x USB 2.0
		2x USB 3.1 Gen. 1
	PCIe-Slot Bracket	2x USB 3.1 Gen. 1
Battery		Buffer battery based
Power Consumption		3.4 A / 81.6 W
Voltage Supply		24 V DC (18 ... 36 V DC), internal DC/DC power supply, galvanically isolated
Operating System		Windows IoT Enterprise LTSC Prime OS or LINUX: Debian, Buildroot
Ambient Temperature*		-10 °C ... +55 °C
Storage Temperature		-20 °C ... +60 °C
Humidity		20% ... 80%, non-condensing
EMC Immunity		Industrial area acc. EN 61000-6-2
EMC Emission		Residential area acc. EN 6100-6-3
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

* not evaluated by UL.

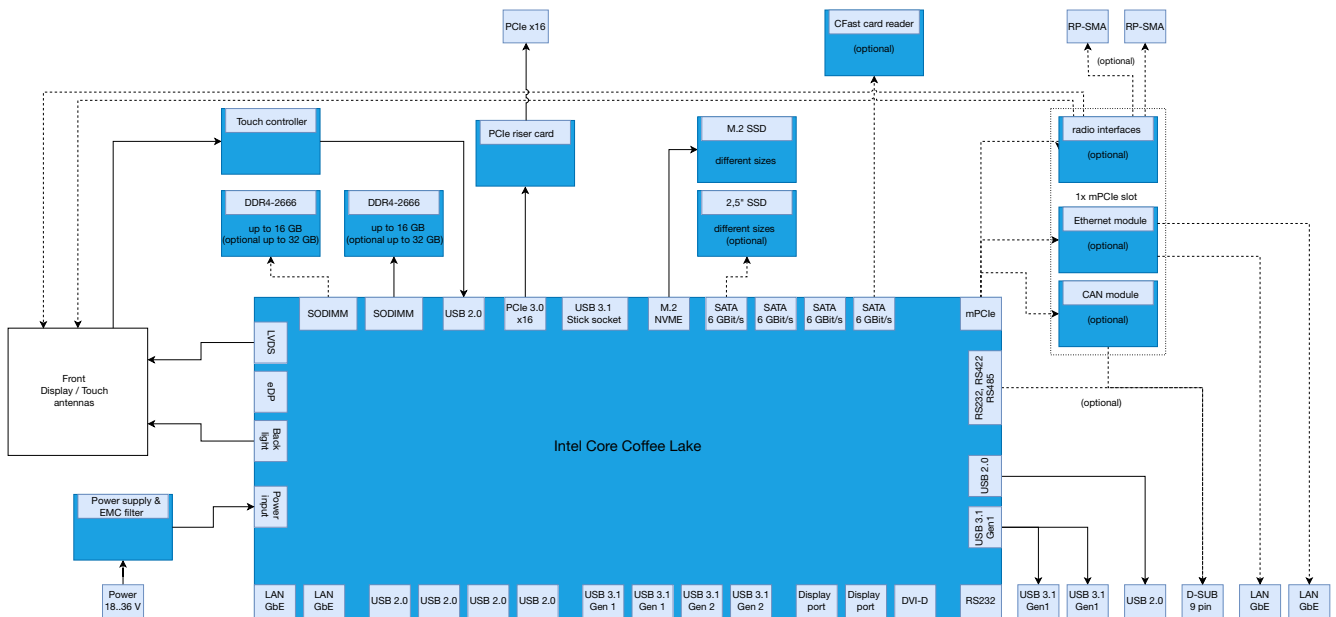
Please find dimensional drawings as downloads on our [website](#). 3D-models on request via e-mail to vertrieb@schubert-system-elektronik.de.

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CIRCUIT DIAGRAM

prime
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