

PRIME PANEL PERFORMANCE ATTACHMENT 21.5"

FACT SHEET

MULTITOUCH-PANEL PC FOR DEMANDING TASKS

- IPC easily configurable in hardware and software
- Flexible and extensive connectivity
- High operating safety due to robust system design and IP65



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

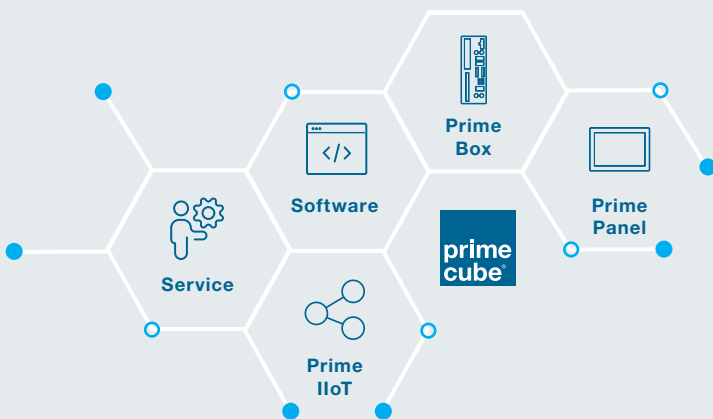


Glass front
Optimal readability, low reflection.
Scratch-resistant.
Easy to clean.



Touch
High operating reliability – even under the influence of disturbances.
EMC-stable 4-finger operation, glove operation, Palm Suppression.
Optional parameterization for individual requirements.

THE MODULAR SYSTEM OF PRIME CUBE®



Modular
Customised modular solutions of industrial computer technology with all advantages of standard products: validated platforms, short development process, optimum price performance.



High quality
For 24/7 operation in an industrial environment.
Reliable and robust.
Long-term available (10 years), with a warranty of 36 months.



Application-oriented & customisable
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) we develop and manufacture with appr. 170 employees customised computer systems: From hardware and software to assemblies and complete systems - innovative force "Made in Germany".



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TECHNICAL DATA

prime
cube®

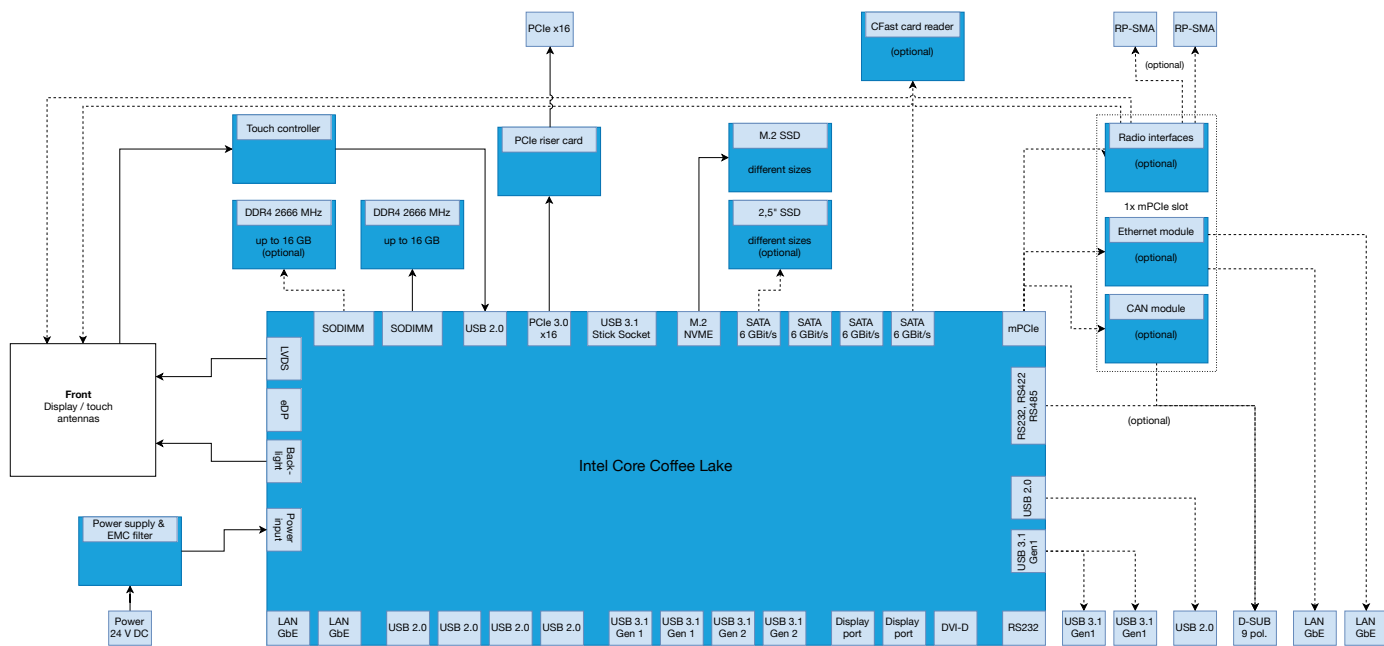
VERSION		PRIME PANEL PERFORMANCE ATTACHMENT 21.5"
Type code		PPI1000AD_215
Dimensions (WxHxD)		538.6 x 330.1 x 129 mm
Weight		12.5 kg
Housing		Aluminum front frame, powder-coated. Aluminum rear wall, powder-coated. Aluminum computer core with heat sink, anodized. Hardened, non-reflecting front glass. Designed for installation at a support arm system.
Protection class		IP65 acc. DIN EN 60529, all-around.
Display	Size	FHD display, 1920 x 1080 px, 16:9.
	Brightness (typic.)	300 cd/m ²
	Contrast Ratio (typic.)	1000
	Viewing angle (typic.)	89/89/89/89°
	Lifetime lighting (min.)	50.000 h
Touch		Projected Capacitive Touch (PCT), up to 10-finger operation
Computer		Intel® CELERON™ G4900T 8th Gen Intel® Core™ i3-8100T; i5-8500T; i7-8700T; 9th Gen Intel® Core™ optional.
Memory		Up to 32 GB DDR4, 2400 MHz; 64 GB DDR 4 optional. 2x SODIMM, Dual Channel
Mass storage (Other memory sizes and different Flash technologies available)		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
Extension		1x mPCIe full/half size 1x PCIe Slot x16 2x DSUB 9 pole
Removable storage (optional)		1x CFast holder. CF card optionally available.
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
Interfaces (optional – other options available)	DSUB 9 pole	1x RS232/422/485
		2x GbE LAN, separate controllers, Intel® I210 1x CAN, dual DSUB 9 pole (Profibus, Profinet and other fieldbuses optionally available) 1x WLAN and BLUETOOTH (front-integrated or external antenna) 1x mobile communication 1x dual USB 3.1, external
	mPCIe	1x USB 2.0 2x USB 3.1 Gen. 1
		2x USB 3.1 Gen. 1
Battery		Buffer battery, ended
Supply voltage		24 V DC (18 ... 36 V DC), galvanically insulated
Operating system		Windows 10 IoT Enterprise 2019 LTSC LINUX 64bit: 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 resistance		Industrial area acc. DIN EN 55024 & DIN EN 61000-6-2
EMC emitted interference		Industrial area acc. DIN EN 55024 & DIN EN 61000-6-2
Shock		15 g: 11 ms and 25 g: 6 ms acc. DIN EN 60068-2-27
Vibration		2 ... 9 Hz: 3.5 mm amplitude, 9 ... 200 Hz: 1 g acc. DIN EN 60068-2-6
Warranty		36 months
Approvals		CE; UL in preparation; 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

Dimension drawings can be downloaded from our [website](#). 3D models are provided on request by e-mail to vertrieb@schubert-system-elektronik.de.

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PRIME PANEL PERFORMANCE ATTACHMENT 21.5" CIRCUIT DIAGRAM



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