

## PRIME PANEL PERFORMANCE INSTALLATION 15.6" / 18.5" / 21.5"

FACT SHEET

### MULTITOUCH-PANEL PCS 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.

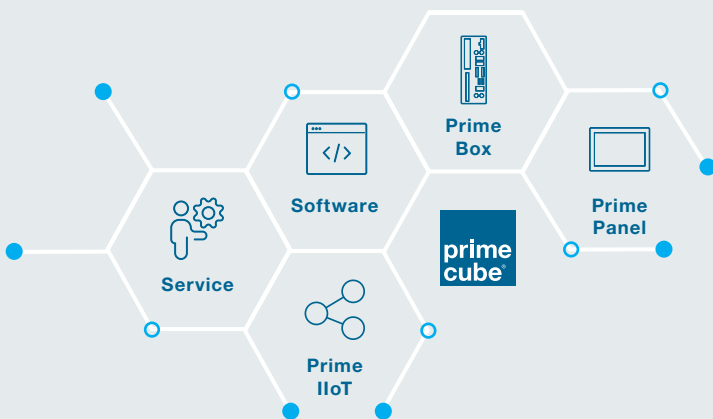


**Glass front**  
Optimal readability, low reflection.  
Scratch-resistant.  
Easy to clean.



**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 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) 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".



# PRIME PANEL PERFORMANCE INSTALLATION 15.6" / 18.5" / 21.5"

## TECHNICAL DATA

prime  
cube®

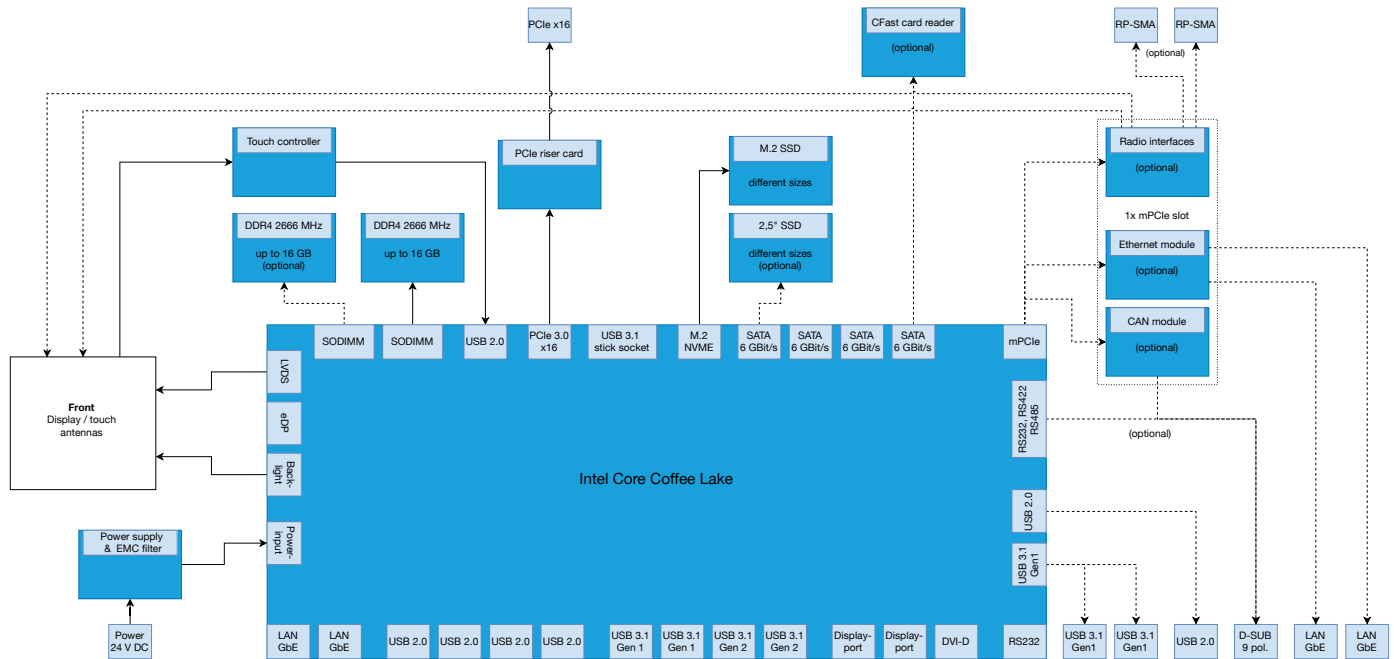
VERSION	PRIME PANEL PERFORMANCE INSTALLATION		
	15.6"	18.5"	21.5"
Type code	PPI1000ED_156	PPI1000ED_185	PPI1000ED_215
Dimensions (WxHxD)	406.5 x 256 x 128 mm	471.8 x 292.4 x 128 mm	538.6 x 330.1 x 128 mm
Weight	7.7 kg	9.05 kg	9.8 kg
Housing	Aluminum front frame, powder-coated. Sheet steel rear wall, galvanized. Aluminum computer core with heat sink, anodized. Hardened, non-reflecting front glass. Designed for front installation by means of mounting clips.		
Mounting clips	10 pc.	12 pc.	12 pc.
Protection class	IP65 acc. DIN EN 60529, front side IP20 acc. DIN EN 60529, back side		
Display	Full HD display, 1920 x 1080 px, 16:9. HD resolution for 15.6" and 18.5" optionally available.		
Size			
Brightness (typic.)	450 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>
Contrast Ratio (typic.)	800	800	1000
Viewing angle (typic.)	85/85/85/85°	89/89/89/89°	89/89/89/89°
Lifetime lighting (min.)	50.000 h	50.000 h	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	Bis 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. Optionally CF card included.		
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 RS232/422/485		
Interfaces (optional) – other options available	2x GbE LAN, separate controllers, Intel® I210 1x CAN, dual DSUB 9 pole (Profibus, Profinet and other fieldbusses optionally available) 1x WLAN and BLUETOOTH (front-integrated or external antenna) 1x mobile communication		
	DSUB 9 pole mPCIe	1x USB 2.0 2x USB 3.1 Gen. 1 Buffer battery, ended	
	PCIe slot bracket	24 V DC (18...36 V DC), galvanically insulated Windows 10 IoT Enterprise 2019 LTSC LINUX 64bit: Debian 10 Distribution -10 °C ... +45 °C with natural convection -10 °C ... +50 °C from 0.4 m/s air flow -20 °C ... +60 °C 10% ... 90%, non-condensing Industrial area acc. DIN EN 55024 & DIN EN 61000-6-2 Industrial area acc. DIN EN 55032 class A 15 g; 11 ms and 25 g; 6 ms acc. DIN EN 60068-2-27 2 ... 9 Hz: 3.5 mm amplitude, 9 ... 200 Hz: 1 g acc. DIN EN 60068-2-6 36 months 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](mailto:vertrieb@schubert-system-elektronik.de).

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# PRIME PANEL PERFORMANCE INSTALLATION 15.6" / 18.5" / 21.5" CIRCUIT DIAGRAM



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