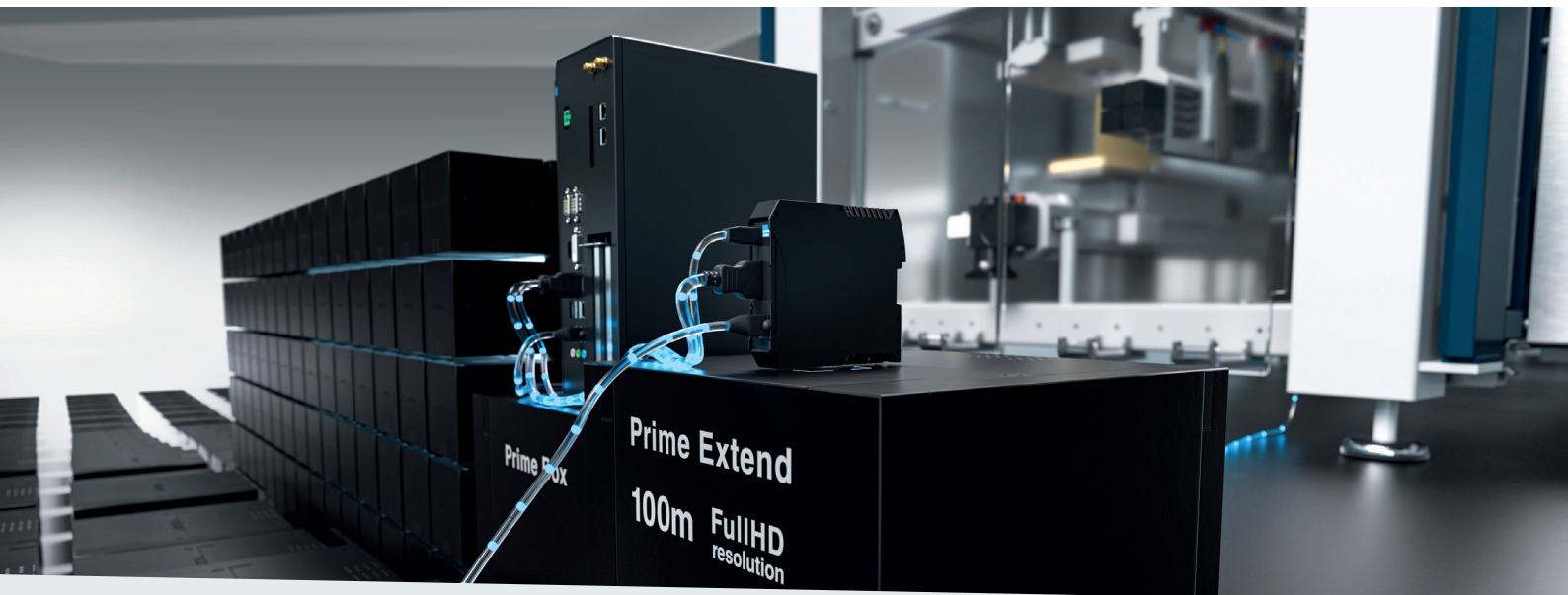


PRIME EXTEND

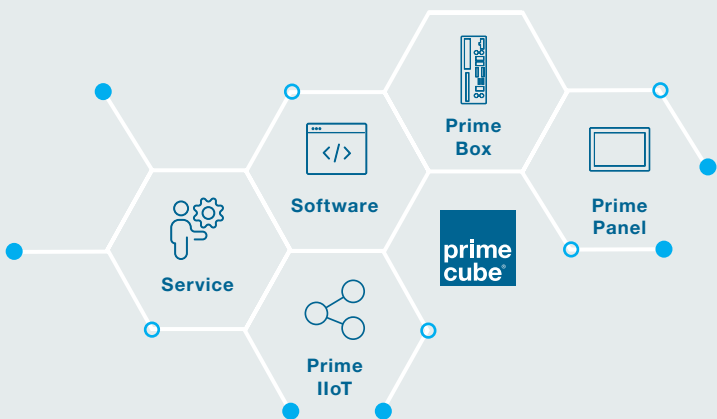
FACT SHEET

ECONOMIC AND STABLE SOLUTION FOR THE TRANSMISSION OF VIDEO AND USB DATA UP TO 100 METERS

- With compact top-rail housing or fully integrated into the Box PC
- Latency-free transmission in full HD
- Plug & Play: Easy integration into existing infrastructure
- Temperature range -20 °C to +50 °C



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.

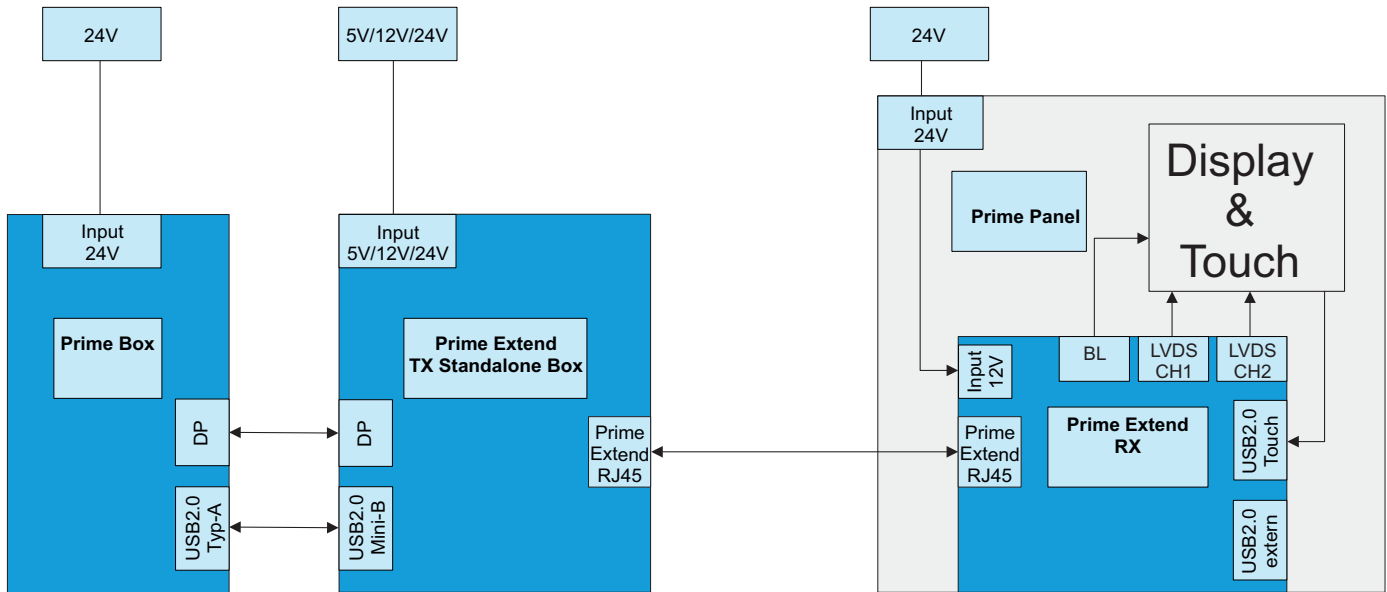
From sensor application to tool monitoring in the machine and from embedded computing systems to a future-oriented IoT gateway concept we represent all product steps with our product brands Prime Cube® and BK Mikro®. At our headquarters in Neuhausen ob Eck (Baden-Württemberg) we develop and manufacture with appr. 170 employees customised computer systems: From hardware and software to assemblies and complete systems - innovative force "Made in Germany".



VERSION		PRIME EXTEND TX DP
Type code		PXS1000ED_023
Dimensions (WxHxD)		22.5 x 99 x 114.5 mm
Weight		117 g
Housing		Prime Extend TX Standalone Box. Top hat rail housing, made of plastic. Mountable to 35 mm top-rail (DIN EN 50022 and DIN EN 50045).
Protection class		IP20 acc. DIN EN 60529
Interfaces		1x Prime Extend RJ45 connection socket 1x USB 2.0, type B Mini 1x Display Port
Display LED	Yellow:	Ready
	Green:	Link
Transmission path	Distance:	Max. 100 m
	Video data:	Full HD, 1920 x 1080 pixel with 60 Hz
	Transmission cable:	CAT 6a / CAT 7 / AWG 22
	Interface:	1x mini USB 2.0
Supply voltage		5 V DC, 12 V DC, 24 V DC
Ambient temperature		-20 °C ... +50 °C
Storage temperature		-20 °C ... +55 °C
Humidity		10% ... 80%, non-condensing
EMC resistance		Industrial area acc. DIN EN 55024 & DIN EN 61000-6-2
EMC emitted interference		Industrial area acc. DIN EN 55032 class A
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

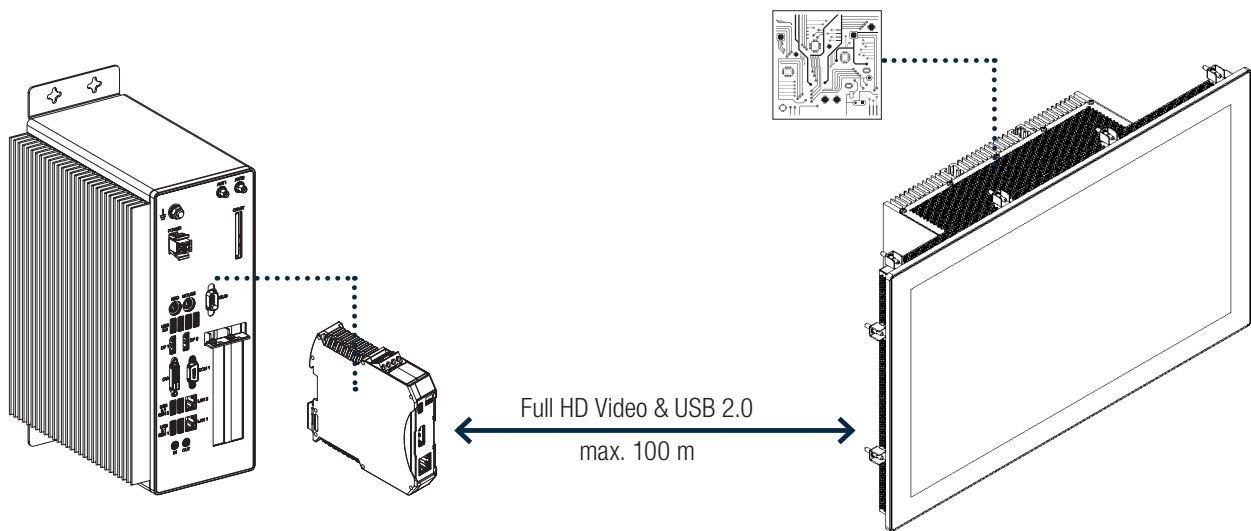
VERSION		PRIME EXTEND RX DP
Type code		PXE1000ED_072
Dimensions (HxD):		80 x 90 mm
Housing		Prime Extend RX connection card. Circuit board assembly. Designed for installation into a touch monitor.
Interfaces		1x Prime Extend RJ45 connection socket
Panel interface		1x LVDS (Dual Channel)
Display LED	Yellow:	Ready
	Green:	Link
Operating elements		Pin header for brightness setting (+/-)
Transmission path	Distance:	Max. 100 m
	Video data:	Full HD, 1920 x 1080 pixel with 60 Hz
	Transmission cable:	CAT 6a / CAT 7 / AWG 22
	Interface:	1x USB 2.0 pin header for touch control 1x USB 2.0 pin header freely available
Supply voltage		12 V DC, nominal
Storage temperature		-20 °C ... +60 °C
Ambient temperature		-20 °C ... +60 °C
Humidity		10% ... 90%, non-condensing
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
Approvals		CE & EMC compliant industrial design, UL compliant

PRIME EXTEND CIRCUIT DIAGRAM



TX
Standalone

RX
in Prime Panel or as OEM module



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