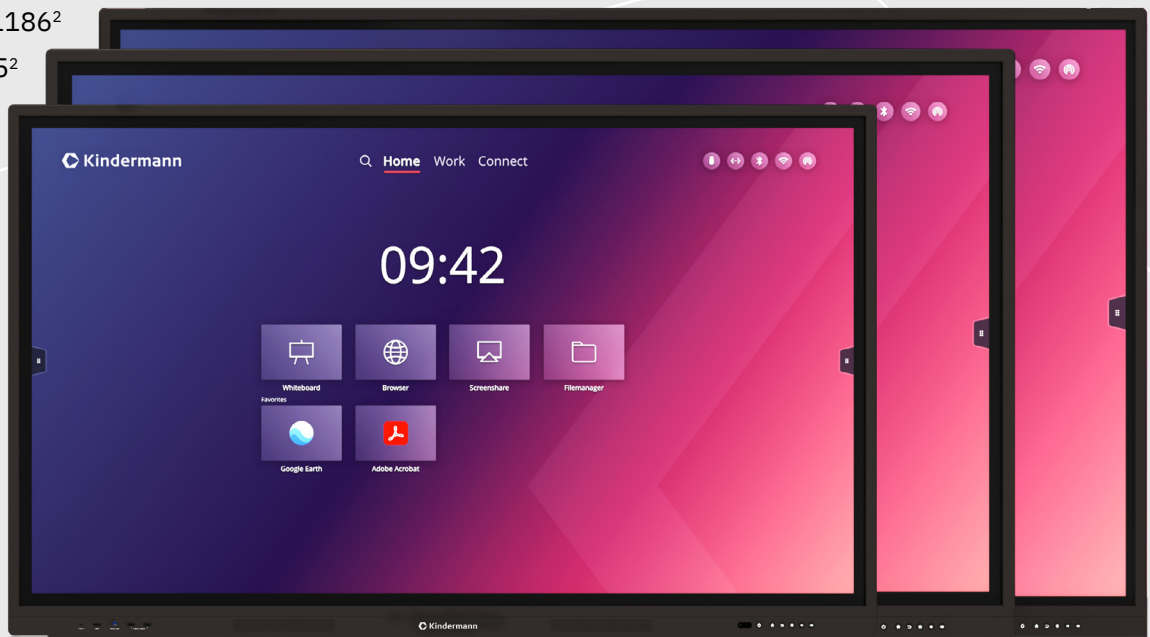


86" TD-1186²
75" TD-1175²
65" TD-1165²



Kindermann displays

Touchdisplays TD-11²

- > Future-proof: High-performance processor, WiFi6 and 2x USB-C inputs
- > USB-C one for all: video, sound, data, touch and 65 watts charging current at the same time
- > Android 13
- > Intuitive user interface, designed in Germany
- > Screensharing via hardware dongle, app, AirPlay & Chromecast
- > 40 touch points

Technical data

Model		TD-1165 ²	TD-1175 ²	TD-1186 ²
Article number		3050000062	3050000063	3050000064
Panel	Diagonal / visible surface	65" / 1428 x 804 mm	75" / 1647 x 927 mm	86" / 1895 x 1066
	Panel type / backlight	IPS / Direct LED		
	Resolution / aspect ratio / colour depth	3840 x 2160 / 16:9 / 10 bit (1.07 billion colours)		
	Direction of use / Maximum service life (daily)	Landscape / 18 hours		
	Brightness (typical)	>350cd/m ² (typ.)	>400cd/m ² (typ.)	>400cd/m ² (typ.)
	Contrast (dynamic)	5000:1		
	Response time (typical)	8ms		
	Frame rate	60Hz		
	Viewing angle	178°(H) / 178°(V)		
	Minimum service life	50.000 operating hours		
Touch	Touch technology	Infrared, with high precision and support of active pens		
	Distance panel / front glass	Zero-/Direct-bonding		
	Touch points	up to 40 points, incl. support for Microsoft Windows 10/11 pen protocol 2.0		
	Front glass	Tempered glass, thickness 3.2 mm, MoHS7, anti-glare, highly transparent		
	Transmission	>92%		
	Minimum object size / Precision	1,6 mm / ±1 mm		
	Minimum touch height	1,2 mm		
	Tool recognition	Fine pencil: <3 mm, thick pencil: <8 mm, small eraser: >12 mm, thick eraser: > 25 mm		
	Driver	Plug and Play (HID)		
	Operation	Finger, operating pen with round tip or comparable objects		
	Multitouch compatibility	Windows 10/11, Android, ChromeOS, MacOS X (driver required)		
	Single touch compatibility	Linux, MacOS X		
	Loudspeaker	Configuration / power	Stereo sound system, 2x 20W, frequency response: 200 - 20.000 Hz	
SoC		A311D2 OctaCore, 4x A73 @ 2,2 Ghz / 4x A53 @ 2 GHz , MaliG52 MP8		
SoC	RAM / eMMC	8 GB / 64 GB		
	WiFi	WiFi 6 - 802.11 a/b/g/n/ac/ax - Dual Band 2.4 / 5GHz, 2x2 MiMo		
	Bluetooth	5.0		
	OS	Android 13		
Supplied software (Android)	Basic functions	Kindermann Whiteboard App with annotation function and erase by gesture, screenshots, calculator, spotlight, timer and screen recorder		
	File manager	Yes, including photo, video, audio player		
	Office / PDF viewer	WPS Office, Adobe Reader		
	Browser	Firefox & Chromium		
	BYOD Wireless streaming	Yes, Eshare incl. support for HDMI and USB-C dongle, AirPlay and Chromecast (Miracast in Wifi Direct Mode)		
	Additional apps	OpenCamera, OpenStreetmaps, Wikipedia		
Menu languages	Available	German, English, French, Italian, Spanish, Dutch, Finnish, Swedish, Danish, Norwegian, Croatian, Estonian, Latvian, Lithuanian and others.		

Model		TD-1165 ²	TD-1175 ²	TD-1186 ²
Connector front side	Public-USB (Android & Windows)		2x USB 3.0 type A	
	HDMI 2.0 input		1	
	USB type C input		1x with support for video (3840x2160@60Hz DP Alt Mode), touch, data transmission, USB PD 3.0 max. 20V / 3,25 A (65 Watt)	
	Touch-USB		1x USB 3.0 type B	
Connector lateral	Sensors		Ambient light sensor	
	OPS slot		1x JAE 80-pin (power supply 18V / 5A)	
	Touch-USB		3x USB 3.0 type B	
	USB type C input		1x with support for video (3840x2160@60Hz DP Alt Mode), touch, USB PD 3.0 max. 15 Watt	
	DisplayPort 1.2a input		1	
	HDMI 2.0 inputs		2	
	VGA / Audio (3,5 mm jack) input		1 / 1 (bottom) (1920x1080@60Hz)	
	Android-USB		2x USB 3.0 type A	
	HDMI output		1 (bottom)	
	Audio output (3,5 mm jack)		1 (bottom)	
	Audio output (SPDIF, optical)		1 (bottom)	
	Mic-in		1 (bottom)	
	LAN		2x RJ45 100/1000 Mbps (bottom)	
	RS232		1 (9-pin SubD (bottom))	
Service USB connection		1x USB 2.0 type A (for FW updates)		
Power connection	Input voltage / connection		100 V ~ 240 V/AC, 50/60 Hz - cold-device socket	
	Consumption (typical)	~150 W	~200 W	~270 W
	Consumption (eco)	~94 W	~116 W	~175 W
	Standby consumption		<0.5W	
Environmental conditions	Temperature - operation		0 - 40°C	
	Temperature - storage		-10 - 60°C	
	Humidity - operation		20 - 80% (non condensing)	
	Humidity - storage		10 - 60% (non condensing)	
Dimensions / Material	Display dimensions (mm) (WxDxH)	1512 x 88 x 921	1723 x 87 x 1035	1968 x 88 x 1173
	Packing dimensions (mm) (WxDxH)	1660 x 220 x 1010	1900 x 225 x 1160	2160 x 225 x 1310
	Net weight approx. (kg)	38	50	63
	Gross weight approx. (kg)	49	62	79
	Housing		Aluminum/metal	
	Frame width (top/bottom/left/right)		21/52/21/21 mm	
	VESA	4 x M6 600 x 400 mm	4 x M8 800 x 400 mm	4 x M8 800 x 600 mm
Accessories	Scope of delivery	IR remote control, power cable (3 m), USB A/B cable (3 m), HDMI cable (3 m), 2x passive pens (suitable for left- and right-handers), Eraser, QuickStartGuide		

Subject to change - Status 14.11.2023

All prices are net prices excl. VAT.
Subject to change in the interest of progress. Illustrations and technical specifications may contain additional options and are not binding for the design. All dimensions are subject to the usual tolerances.



Kindermann GmbH
Mainparkring 3 | 97246 Eibelstadt | Germany
Tel. +49 9303 9840-0 | Fax +49 9303 9840-101
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www.kindermann.com

Presented by:

