



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-1155 ²	TD-1165 ²	TD-1175 ²	TD-1186 ²	
Article number		3050 000 061	3050 000 062	3050 000 063	3050 000 064	
Panel	Diagonal / visible surface	55“ / 1428 x 804 mm	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/m² (typ.)	>350cd/m² (typ.)	>400cd/m² (typ.)	>400cd/m² (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			
		Distance panel / front glass	2 mm	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	SoC	A311D2 OctaCore, 4x A73 @ 2,2 Ghz / 4x A53 @ 2 GHz , MaliG52 MP8				
	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				

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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			
	Sensors	Ambient light sensor			
Connector lateral	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)			
	Input voltage / connection	100 V ~ 240 V/AC, 50/60 Hz - cold-device socket			
Power connection	Consumption (typical)	~120 W	~150 W	~200 W	~270 W
	Consumption (eco)	~75 W	~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)	1299 x 93 x 792	1512 x 88 x 921	1723 x 87 x 1035	1968 x 88 x 1173
	Packing dimensions (mm) (WxDxH)	1420 x 245 x 920	1660 x 220 x 1010	1900 x 225 x 1160	2160 x 225 x 1310
	Net weight approx. (kg)	27	38	50	63
	Gross weight approx. (kg)	38	49	62	79
	Housing	Aluminum/metal			
	Frame width (top/bottom/left/right)	21/52/21/21 mm			
	VESA	4 x M6 400 x 400 mm	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 01.2024

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.



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