

GERMAN
DESIGN
AWARD
SPECIAL
2017



DATASHEET: SEPT 2021

DIVUS TOUCHZONE

The Synergy Touch

TZ07 - TZ10 - TZ15 - TZ19
VER.4



DIVUS TOUCHZONE

TOUCH PANEL FOR WALL MOUNT TECHNICAL DATA



TZ07 - W



TZ10 - B



TZ15 - W



TZ19 - B

	TZ07 - V4	TZ10 - V4	TZ15 - V4	TZ19 - V4
Type of design	ultra compact embedded PC for wall mount; android operation system for your applications; noiseless and without any rotating part, ultra low power homogeneous smooth glass surface with aluminium side border			

VERSIONS

With Black cover glass	TZ07-B	TZ10-B (antibacterial treatment)	TZ15-B (antibacterial treatment)	TZ19-B
With White cover glass	TZ07-W (ultra clear glass)	TZ10-W (ultra clear glass)	TZ15-W (ultra clear glass)	TZ19-W (ultra clear glass)

SOFTWARE

Operating System	Android 9			
FRONT UNIT	7,0" - 17,78 CM WIDESCREEN LED BACKLIGHT TFT	10,1" - 25,6 CM WIDESCREEN LED BACKLIGHT TFT	15,6" - 39,6 CM WIDESCREEN LED BACKLIGHT TFT	18,5" - 47,0 CM WIDESCREEN LED BACKLIGHT TFT
Luminosity	500 cd/m ²	250 cd/m ²	300 cd/m ²	300 cd/m ²
Contrast	400 : 1	400 : 1	500 : 1	1000 : 1
Resolution (in Pixel)	WSVGA (1024*600)	WSVGA (1024*600)	HD (1366*768)	HD (1366*768)
MTBF backlight	50.000 h	30.000 h	50.000 h	50.000 h
Method of operating	Projected capacitive touch screen with 3 mm glass front, dual touch capable			
Rating	IP20 according EN 60529			

GENERAL CHARACTERISTICS

Processor	Fanless ultra low consumption Dual-core Cortex-A72 1.8GHz and Quad-core Cortex-A53 1.4GHz			
Memory	2 GB (optional 4GB, connected to MOQ)			
Free expansion slots	microSD Slot			
Power Supply	PoE+ compatible with Cat5e/Cat6 UTP cable, max 100m IEEE Std 802.3at™ 12-32 VDC			NO POE
Power consumption without peripherals	Max. 9 W	Max. 18 W	Max. 25 W	Max. 30 W
Guarantee	24 Months*			

DRIVES

Storage medium	High speed Flash Memory 16GB eMMC (available disk space tbd)			
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**TOUCH PANEL FOR WALL MOUNT
TECHNICAL DATA**

	TZ07-V4	TZ10-V4	TZ15-V4	TZ19-V4
SENSORS				
Proximity sensor	INCLUDED			
G Sensor for orientation	AUTOMATIC PORTRAIT / LANDSCAPE ORIENTATION			
Brightness Sensor	INCLUDED			
MULTIMEDIA				
Input/output	Loudspeaker 2 Watt RMS (ext) Microphone (ext)			
Functionality	Integrated Echo cancellation for bi-directional interphone communication			
INTERFACES				
LAN/Ethernet/BT	1 x GbE on RJ45 - 45 degree with 802.3at™ (ext)			1 x GbE on RJ45 - 45 degree
	1 x WiFi 802.11 a/b/g/n - optional			
	1 x Bluetooth 4.0 LE - optional			
USB (Universal Serial Bus)	2 x USB 2.0 (2x ext)			
	1 x mini USB OTG			
Serial	1 x RS-232/422/485 (int, optional on pinheader)			
Digital Input/Output	GPIO - 4 x Input / 4 x Output for 4 relais with max. 100 mA/5VDC Clocking is possible, frequency depends on APK			
Battery	Battery free system - RTC with capacitor backup			
SURVEILLANCE				
Status LEDs	1 x RGB LED - covered by design frame			
AMBIENT CONDITIONS				
EMC	IEC 63044-1:2017, IEC 63044-5-1:2019, IEC 63044-5-2: 2019; CISPR 32: 2015; CISPR 35: 2017; EN 50486:2008 (§4.2); EN 50428:2005+A1:2007+A2:2009			
SAFETY	EN IEC 63044-3:2018 in conjunction with: IEC 62368-1:2014 (Second Edition), EN 62368-1:2014+A11:2017			
Temperature	+0°C to +30°C max.			
Relative humidity	5% to 80% at 25°C (no humidity/condense)			
Authorization	CE			
DIMENSIONS				
Cut-Out with MTZ [mm]	129 x 210 x 75	281 x 189 x 80	428 x 291 x 80	507 x 330 x 80
Outside with Frame CTZ [mm]	136 x 213 - This product is delivered with capacitive touch frame	288 x 200 - This product is delivered with capacitive touch frame	435 x 306 - This product is delivered with capacitive touch frame	515 x 345 This product is delivered with capacitive touch frame
Weight	0,9 kg	4 kg	7 kg	9 kg
MECHANICAL CHARACTERISTICS				
Mounting	Fast and easy one man mounting system with wall mount boxes			
Front	Steel and alloy anodized, to use with the wall mount box (MTZ) and cover (CTZ)			
PC Unit	Alloy anodised, EMC proofed			

**warranty ex works, normally 24 months, fixed at order. All data refer on print date, errors and changes excepted.
NOTE: Internal connections are intended as inside the box unit, normally on pin header, external ones as outside the box. Nevertheless, once mounted in the wall, only connections described as "front accessible" will be reachable for the customer.*



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WALL MOUNT BOX

TYPES	IN WALL BOX	IN MORTARLESS BOX
for TZ07 – 7,0"	MTZ07	MTZ07-T
for TZ10 – 10,1"	MTZ10	MTZ10-T
for TZ15 – 15,6"	MTZ15	MTZ15-T
for TZ19 – 18,5"	MTZ19	MTZ19-T

TECHNICAL DATA

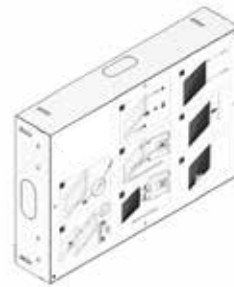
Type of design	compact, stable and flat wall mount box for flush mounting	compact flush mounting kit for mortarless constructions
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DIMENSIONS [MM]

Cut-Out fixing kit 7,0"	129 x 210 x 75	129 x 210 x 75 - required space 190 x 210 x 75
Cut-Out fixing kit 10,1"	281 x 189 x 80	281 x 189 x 80 - required space 341 x 189 x 80
Cut-Out fixing kit 15,6"	428 x 291 x 80	428 x 291 x 80 - required space 488 x 291 x 80
Cut-Out fixing kit 18,5"	507 x 330 x 80	507 x 330 x 80 - required space 567 x 330 x 80
Weight	ca. 4kg	ca. 4kg


MECHANICAL CHARACTERISTICS


Wall mount box	TZ07 plastic with cover for clean installation	TZ07 plastic with cover for clean installation
Wall mount box	TZ 10 - 15 - 19 steel plate with cover for clean installation	TZ 10 - 15 - 19 steel plate with cover for clean installation
Cable access	1xtop, 1xbottom, 1xleft, 1xright	1xtop, 1xbottom, 1xleft, 1xright



Grounding the Wall Mount Box needs to be professionally grounded

MONTAGE / INSTALLATION INSTRUCTIONS / INSTALLAZIONE

 Die Unterputzdose und das Trockenbaukit können in einem Ausschnitt in der Wand oder in einem bis zu 1,5 cm dünnen Möbelstück, sowie in einem Trockenbau befestigt werden. Der Ausschnitt muss den in den technischen Details spezifizierten Maßen entsprechen und beim Wandeinbau mindestens 9 cm tief sein.
Im Wandausschnitt wird die Unterputzdose eingemauert, während sie im Möbelstück angeschraubt werden kann. Es ist wichtig, dass die vordere Kante der Unterputzdose plan und waagrecht zur Oberfläche der Wand oder des Möbelstückes ist.

 The wall mount box an the mounting kit may be installed in a cut out in the wall, in a wooden structure thick at least 1,5 cm or in a dry mortarless construction. The cut out has to respect the sizes specified in the technical data and has to be at least 9 cm deep.
In the wall cut out, the box can become build in while it can be screwed on in a piece of furniture. It is important that the fore edge of the box is flat and horizontally to the surface of the wall or the piece of furniture.