

Technical specifications

TOUCH SERIE 13

Display	
Display sizes	65"
	75"
	86"
Display type	LCD
Backlight	D-LED
Technology	ADS
Resolution	4K - 3840x2160
Brightness/(cd/m2).typ	450 cd/m ² (typ.)
Contrast ratio	1200:1 (typ.)
Response time	8ms (typ.)
Frequency ratio	60Hz
Viewing angle	178°(H)/178°(V)
Estimated life	≥ 30.000 Hrs
Display colors	1.07 Billion (10bits)
Display area	65": 1428.48(H) x 803.52(V)
	75": 1649.664(H) x 927.936(V)
	86": 1895.04(H) x 1065.96(V)
Surface protection	Tempered glass Mohs 7
Thickness	3.2mm
Anti-reflection	AG
Bonding technology	Zero bonding

Interactivity	
Technology	Infrared
Points	40 touch points
Touch resolution	32768 x 32768
Touch accuracy	90% ±1mm
Response time	65" <=6ms
	75" <=7ms
	86" <=8ms
Output mode	HID Standard
Object size (min)	SingleTouch ≥1.6mm
	MultiTouch ≥2mm
Voltage	DC+5V±5%
Power consumption	≤2W

Embedded Operating System	
Chipset	A311D2
Version	Android™ v13.0
RAM	8GB LPDDR4x
ROM	64GB (eMMC Flash)
GPU	MaliG52 MP8
CPU	Octa-core (4xA73(2.2GHz) + 4xA53(2.0GHz))

Connectivity	
Wi-Fi	Built-in 802.11 a/b/g/n/ac/ax - 2T2R
Wi-Fi frequency	2.4GHz/5GHz
Chipset	AP6275P
Bluetooth	5.0
Wi-Fi 6	Supported
Hotspot Wi-Fi	Supported

Hardware	
Integrated camera	48MP with AI autofocus
Viewing angle	114,9° diagonal
IR & Light sensor	Supported
Microphone	Array 8-mic
	AEC (Acoustic Echo Cancellation)
	AGC (Automatic Gain Control)
	Speech enhancement
Speakers	2x20W/6Ω
Subwoofer	20W/4Ω
Pen Picking Detection	Yes (configurable from DMCS)
NFC module	ISO/IEC 14443 A/
	ISO/IEC 14443 B
Supported NFC cards	MIFARE FeliCa

Software	
DMCS of the manufacturer.	
Works with up to 4 applications opened simultaneously.	
ORBYS Widgets, ORBYS Vote and QR Cloud.	
ORBYS BOARD: Recognition of text, shapes and mathematical tools.	
ORBYS Share with camera sharing. You can share screen with up to 9 simultaneous devices.	
ORBYS AI: Image and text information generator with artificial intelligence using SafeSearch/Creative Commons filters.	

Back side interface	
HDMI IN 2.1	x 2
DP IN (DP1.2a)	x 1
Type-C (15W)	x 1
VGA	x 1
USB 2.0	x 1
USB 3.0	x 2
RS232	x 1
LAN (1000Mbps)	x 2
TOUCH USB 3.0 TYPE-B	x 3
SPDIF	x 1
MIC (3.5mm)	x 1
AUDIO IN (3.5mm)	x 1
AUDIO OUT (3.5mm)	x 1
HDMI OUT 2.1	x 1
OPS (80-pin JAE)	x 1

Front side interface	
USB Type-C (60W)	x 1
USB 3.0 (Public USB)	x 2

Languages	
English	
Spanish	
Portugues	
Romanian	
French	
Italian	
German	
Arabic	
Russian	

DMCS Service compatible with TS13



Centralized administration, security policies, monitoring and management of apps.



Configuration of whitelist/-blacklist profiles, validation by code or card.



Multilevel access, remote functions and scheduled tasks.



Unique warranty in the market of 3, 5 or up to 7 years.

Sizes and logistics	TS13 65"	TS13 75"	TS13 86"
Screen size (W x D x H)	1483.9mm x 86.7mm x 911.6mm	1705mm x 86.9mm x 1036mm	1950.4mm x 86.9mm x 1174mm
Screen weight (without mount)	37.5 Kg	52.3 Kg	64.3 Kg
Size with packaging (W x D x H)	1640mm x 185mm x 1010mm	1860mm x 185mm x 1125mm	2095mm x 185mm x 1265mm
Packing weight	52.4 Kg	68.1 Kg	82.1 Kg
Wall mount	VESA 4-M8 (600mm x 400mm)	VESA 4-M8 (800mm x 400mm)	VESA 4-M8 (800mm x 400mm)

Energy and working environment	TS13 65"	TS13 75"	TS13 86"
Power requirements	AC 100V~240V, 50/60 Hz		
Power consumption	320 W	380 W	460 W
Power consumption (standby)	<= 0,5 W		
OPS power	DC 18V/5A		
Operating temperature	0°C ~ +40°C		
Storage temperature	-10°C ~ +60°C		
Operating humidity	20% ~ 80% RH Non-Condensing		
Storage humidity	10% ~ 80% RH Non-Condensing		