

ADTESU Smart Panel Interactive Display ADS ULTRA



ADS75ULTRA

≡ Features:

- Zero bonding technology, the distance between the tempered glass and the screen is close to 0, which preventing the reflection of light effectively, showing excellent effect and excellent writing experience.
- High accuracy touch screen, supporting 1 point 1.6mm precision writing and 6 points 2.8mm simultaneous writing.
- Writing height below 2mm to bring smoother writing experience.
- Front Type-C port.
- 4K UI display.
- All-channel annotating, built-in Android writing software.
- Smart sidebar menu.
- Built-in Android system and optional with OPS computer module.
- Double LAN bridging, supporting Android, OPS (Windows system) and external PC realize network bridging.
- Public USB port auto switch.
- All channel can be loop-outed by HDMI.
- Screen lock.
- Built-in WI-FI, hidden inside.
- Built-in 1300W HD camera.
- Built-in 6-mic array
- Built-in NFC module.

Specifications

Panel specifications

Size	75 inch
OC brand	BOE
Display scale	16:9
Backlight type	D-LED edge type
Maximum resolution	3840 x 2160 (pixels)
Refreshing frequency	60Hz
Brightness	Min.:350nits; Typ.:400nits
Contrast ratio	Typ: 1200:1
Pixel Pitch	0.4296 (Hor.) x 0.4296 (Ver.)
Viewing area	1649.664 (Hor.) x 927.936 (Ver.)
Viewing angle	Hor:178°; Ver:178°
Response time	Typ.:8ms
Display colors	1.07B (8bit+FRC)
Life time	30,000hrs (min.)
Color gamut (NTSC)	72%
Motherboard model	A311D2

Android

CPU	Cortex A73+A53, Max 2.2GHz for big and 2.0GHz for little, Quad core
GPU	MaliG52 MP8
RAM	8GB
ROM	64GB
OS	Android 11.0

Language

OSD	English/Chinese
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Electrical

Power requirements	AC 100 V ~ 240 V, 50/60 Hz
Maximum power consumption without OPS	380W (TBD)
OPS power	DC 18V/5A
Power consumption in standby mode	<0.5W
Audio output power	2x15W/80 (15W/40 optional)
Power (AC) input	x1
Power switch	x1

Interface

HDMI IN	x2
DP IN	x1
VGA IN	x1
Audio IN	x1
OPS (Optional)	x1
LAN	x2
USB 2.0	x1
USB 3.0	x2
Touch-USB	x3
Type-C USB	x1
MIC in	x1
RS232 in	x1
HDMI out	x1
SPDIF	x1
Audio out	x1

NFC

Standard	ISO/IEC 14443 A/ISO/IEC 14443 B
Support card type	MIFARE Felica
Read-write distance	<30mm
Read/write speed	106 To 424kbps
Read and write latency	<100ms

Single WIFI (standard)

Main chipset	Mediatek MT7668BU
Operating frequency	2.4GHz/5GHz
WI-FI standard	802.11a/b/g/n/ac
Bluetooth	2.1+EDR/4.2/5.0

Dual WIFI (optional)

Main chipset	Mediatek MT7668BU+Realtek RTL8822BU
Operating frequency	2.4GHz/5GHz
WI-FI standard	802.11a/b/g/n/ac
Bluetooth	2.1+EDR/4.2/5.0

Specifications

Camera

Size	1300W
FOV	DIAGONAL
Array size	MJPEG/H264/H265: 3840 x 2160, 2560 x 1440, 1920 x 1080, 1280 x 1024, 1280 x 960, 1024 x 768, 1280 x 720, 960 x 540, 800 x 600, 640 x 480, 640 x 360, 432 x 240, 320 x 180, 288 x 160, 214 x 120, 160 x 12

Array Mic

Array quantity	6-mic
Pick-up area	8m (angle: 45° - 135°)
AEC	support
AGC	support
Speech enhancement	support
Steady-state noise suppression capability	20dB
Sensitivity	-26 (dB, dBFS@1KHz 1Pa)
Output signal	USB output

Touch

Sensing type	Infrared touch frame
Surface protection	3.2mm toughened glass
Infrared touch	20 Points
Interpolation resolution	32768 x 32768
Touch accuracy	the middle 90% area±1mm
Response time	≤8ms
Output mode	HID standard
Theory clicks	Unlimited
Minimum touch object	Single touch ≥1.6mm, multiple touch ≥2mm
Connect type	USB2.0 full Speed
Voltage	DC+5V±5%
Power consumption	≤2W
Windows 10/8/7, Android	Multiple touch
Windows XP, Linux, Mac OS X	Single touch

Structure

Net weight	58 Kg + 1.5 Kg
Gross weight	78.2 Kg + 1.5 Kg
Bezel U/D/L/R	U:16.8mm, L/R:15.5mm, D:42.3mm
Product size (WxDxH)	1721.9mm x 87.4mm x 1023mm
Package size (WxDxH)	1880mm x 280mm x 1160mm
Housing material	Aluminum / Metal
Housing color	Black
VESA	4-M8 screw hole 800mm x 400mm

Environment

Working 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
Operating altitude	≤5000m
The longest service time (Hour x Day)	18 Hours x 7 days

Packaging / Accessories

Remote control	x1
Touch pen	x2
3M power cord	x1
3M USB A-B cable	x1
3M HDMI cable	x1
QC lable	x1
Instruction	x1
Warranty card	x1
Wall mount (optional)	x1
Base (optional)	x1