

# ADTESU Smart Panel Interactive Display ADS ULTRA



## ADS86ULTRA

### ≡ 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	86 inch
OC brand	LG
Display scale	16:9
Backlight type	D-LED edge type
Maximum resolution	3840 x 2160 (pixels)
Refreshing frequency	60Hz
Brightness	400 cd/m <sup>2</sup>
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 (10bit)
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	76 Kg + 1.5 Kg
Gross weight	98 Kg + 1.5 Kg
Bezel U/D/L/R	U:16.8mm, L/R:18.12mm, D:42.3mm
Product size (WxDxH)	1967.33mm x 89.65mm x 1161.15mm
Package size (WxDxH)	2140mm x 280mm x 1340mm
Housing material	Aluminum / Metal
Housing color	Black
VESA	4-M8 screw hole 800mm x 600mm

### 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