



EXT8600MC

AVA Interactive Screen
with Extended IR Boards



1. Product Feature

- Zero bonding technology, low height, low parallax writing and wider viewing angles.
- 4mm AG tempered glass.
- Supports light sensor-adjusted brightness for eye-friendly display.
- Equipped with a 4K Ultra HD display, supporting full 4K UI applications and 4K full-channel screen recording to experience the charm of detail with fine and clear handwriting, free of aliasing.
- 2 front USB, equipped with 6 keys.
- Supports wireless screen mirroring.
- Support dual pens with different colors, making teamwork easier.
- Intelligent wake-up for HDMI/VGA/RS232 channels & network signal input in standby mode.
- Both Android and OPS support 1000Mbps Fast Ethernet.
- Support network sharing.
- High-level welcome application, enriching the live interactive experience with great fun.
- Split whiteboard, parallel tasks and wider scenes.
- New hover ball mode for quick customization of features.
- Eye protection, lock screen, touch lock and other tools.
- Supports multi-user functionality.



2. Display

Item	Specification
Size	86"
Response Time	8 ms
Aspect Ratio	16:9
Display Area	1895.04 (H) × 1065.96 (V) mm
Resolution	3840 (H) × 2160 (V)
Pixel Pitch	0.4935 (W) × 0.4935 (H)
Refreshing Frequency	60Hz
Display Color	1.07B (10bit)
NTSC	72%
Contrast Ratio	1100:1, 1200:1, 4000:1, 5000:1 (typ.)
Viewing Angle	178° (H/V)
Back Light Unit	DLED
Brightness (typ.)	350 cd/m ²
Life Time	≥30000 hrs

3. Audio

Item	Specification
Sound Channel	2.0
Speaker Power	2 × 16W



4. Camera

Item	Specification
Pixel	13MP
Quantity	1
Location	Upper frame
Viewing Angle	118°

5. Microphone

Item	Specification
Distance of a Pickup	0~8m
Quantity	8
Pickup Angle	0°~180°
Function	Support echo cancellation, background noise suppression, gain compensation

6. Touch System

Item	Specification
Sensing Type	IR Touch
Supported System	Windows 10 / Windows 8 / Windows 7 / Windows XP / Android / Linux / Mac OS X / Chrome
Touch Point	20 points touch
Min. Object Size	2 mm
Touch Tool	Finger, passive IR pen
Response Time	≤10 ms
Accuracy	±1 mm
Writing Height	≤3 mm
Writing Display	Single stylus pen with two colors



7. Operating System

Item	Specification
Chip	GK6760V100
System Version	Android 12.0
Frequency	1.5GHz
CPU	8-core A55
GPU	Quad-core Mali G52
RAM	4GB
ROM	32GB
OSD	Simplified Chinese, Traditional Chinese, English, Spanish, Korean, Japanese, Russian, Vietnamese, French, German, Italian, Dutch, Arabic, Indonesian, Kazakh, Polish, Portuguese, Thai, Ukrainian (19 Languages)

8. Bluetooth

Item	Specification
Version	5.0
Operation Frequency	2.4GHz
Operation Distance	0~10m
Remark	Built-in Bluetooth

9. Wi-Fi

Item	Specification
Version	802.11ac / b / g / n / a
Operation Frequency	2.4GHz / 5GHz
Operation Distance	0~10m
Remark	Built-in Wi-Fi



10. Front Interface

Item	Specification
USB 3.0	2
HDMI IN	1
TOUCH USB	1
TYPE-C	1 (USB Function)
Keys	1
TF Card	1

11. Onboard Interface

Item	Specification
USB-A 2.0 (Android)	1
USB-A 2.0 (Public)	1
HDMI IN (ARC)	1
HDMI IN	1
TOUCH	1
RS232	1
Line Out	1
COAX	1
LAN IN	1
Mic In	1



12. Power

Item	Specification
Power Requirements	Rated 100–240V~, Max 90–264V~, 50/60Hz
Max Power	480W
Standby Power	≤0.5W

13. Physical Specifications

Item	Specification
Dimension (Without Auxiliary Board)	1976.25 × 1164.66 × 83.07 mm
Dimension (With Auxiliary Board)	4200 × 1164.66 × 100.45 mm
Package Dimension (L × T × H)	2120 × 220 × 1325 mm
Wall-hanging Screw Spec	M8 × 60 mm Expanding Screw
Net Weight	Main Screen: 64 ±1 Kg Auxiliary Screen: 18.1 ±1 Kg
Gross Weight	Main Screen: 79.5 ±1 Kg Auxiliary Screen: 25.1 ±1 Kg

14. Accessories

Item	Specification
Power Cord	×1
Stylus Pen	×1
Wall Mount	×1
Quick Start	×1

15. Environmental Conditions

Item	Specification
Operation Temperature	0°C ~ 40°C
Operation Humidity	10% ~ 90% RH
Storage Temperature	–20°C ~ 60°C
Storage Humidity	10% ~ 90% RH
Altitude	< 5000 m



16. Optional Module



Item	Specification
OPS Module Dimension (L × W × H)	OPS (195 × 180 × 30 mm) OPS (195 × 180 × 42 mm)

17. Dimension

Front View (Without Auxiliary Board)



