

65" 75" 86"

# EMKOBORD V5

Technical Specification



4K Ultra HD  
Display



Octa-Core  
CPU



Android  
14.0



40 Touch  
Points



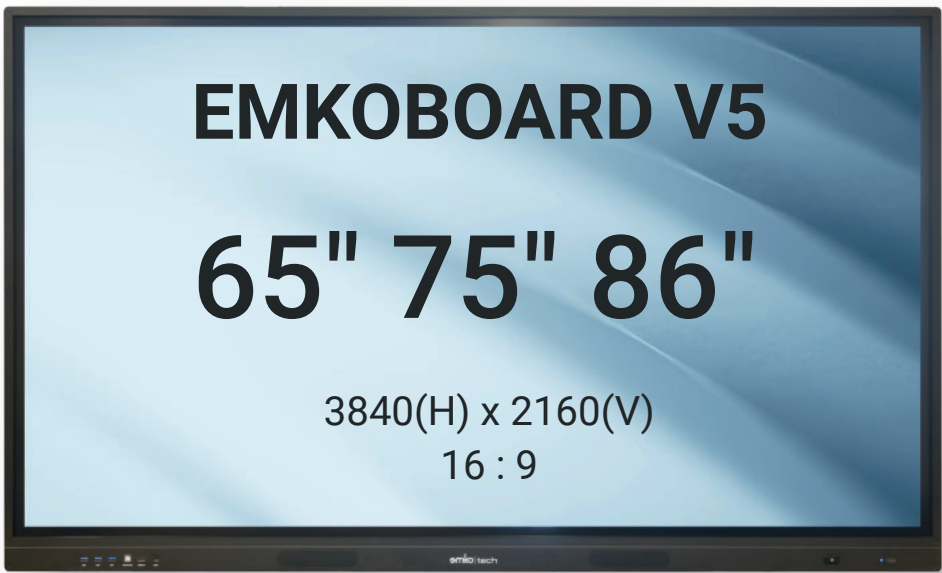
2 x 15W  
Speaker



8 GB  
RAM



128 GB  
ROM



- 1 x HDMI In
- 1 x USB 3.0
- 1 x USB 2.0
- 1 x Earphone
- 1 x Audio Out
- 1 x RS 232
- 1 x TF Card
- 1 x LAN
- 1 x Wi-Fi Module
- 1 x Touch Out

- 3 x USB 3.0
- 1 x TYPE-C
- 1 x HDMI IN
- 1 x TOUCH OUT

2 x 15W SPEAKER

1 x Power Button



Type-C



Over The Air  
Updates



Wi-Fi



Bluetooth



QR Code  
Screen lock



10 Bit Color



Light Sensor



Zero Bonding  
Technology



Double Pen  
Function



Blue Light  
Filter



Safe  
Operating  
System



Specific  
Software  
Solutions



Screen Share



Screen  
Recorder



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# Technical Specification

## Display Parameters

|                              |               |
|------------------------------|---------------|
| Size                         | 65"           |
| Panel Technology             | LCD           |
| Display Resolution           | 3840 x 2160   |
| Brightness (Type)            | 350 cd/m²     |
| Contrast (Type)              | 4000:1        |
| Response Time (Gray To Gray) | 8 ms          |
| Frame Rate                   | 60 Hz         |
| Viewing Angle (H / V)        | 178°/178°     |
| Backlight Type               | Direct LED    |
| Service Life                 | > 50000 Hours |
| Low Blue Light(hardware)     | N/A           |
| NTSC                         | 72%           |
| Installation                 | Landscape     |

## TOUCH

|                         |               |
|-------------------------|---------------|
| Detection Method        | Infrared      |
| Available Touch Point   | 40 Points     |
| Response Time           | <5 ms         |
| Minimum Response Size   | >2.5mm        |
| Ink In Tools            | Yes           |
| Scan Rate               | ≥200hz        |
| Touch Resolution        | 32768 x 32768 |
| Communication Interface | USB+Uart      |

## CONNECTIVITY (Mainboard)

|                   |                             |
|-------------------|-----------------------------|
| HDMI In           | x 1(Side)                   |
| USB 3.0           | x 1 (Side / Type-A)         |
| USB 2.0           | x 1 (side/Type-A)           |
| Earphone          | x 1 (Bottom / Mini Jack)    |
| Digital Audio Out | x 1 (Bottom/Coaxial )       |
| RS-232C           | x 1 (Side / DB-9F)          |
| TF                | x 1(Side)                   |
| LAN               | x 1 (Bottom/RJ45)           |
| Wi-Fi Module      | 1 x 802.11ac                |
| Touch Out         | 1 x (Side / USB Type-B 2.0) |
| Bluetooth         | v5.2                        |

## CONNECTIVITY (Front Interface Board)

|                     |                  |
|---------------------|------------------|
| USB 3.0             | x 3(Type-A)      |
| USB Type C(usb 2.0) | x 1              |
| HDMI In             | x 1              |
| Touch Out           | x 1(Type-B 2.0)2 |

## CONNECTIVITY(OPS Board)

|          |            |
|----------|------------|
| OPS Slot | x 1(80Pin) |
|----------|------------|

## SOUND

|                    |         |
|--------------------|---------|
| Audio Power Output | 15W x 2 |
| Speaker Position   | Front   |

## SMART SYSTEM

|                  |              |
|------------------|--------------|
| CPU              | 8 Core A55   |
| GPU              | Mali-G52 MC2 |
| Operating System | Android 14.0 |
| RAM              | 8GB          |
| Internal Storage | 128GB        |

## POWER

|                   |                        |
|-------------------|------------------------|
| Power Supply      | AC 200-240 V 50 / 60Hz |
| Power Consumption | TBD                    |
| Power Consumption | <0.5 W                 |

## MECHANICAL

|                                            |                     |
|--------------------------------------------|---------------------|
| Front Glass                                | Tempered Glass      |
| Aluminum Frame                             | Black               |
| Pen Holder                                 | Yes                 |
| Buttons                                    | 1                   |
| Dimension of Product<br>(W x H x D)        | 1490 x 905 x 84mm   |
| Dimension of Package Carton<br>(W x H x D) | 1615 x 1000 x 190mm |
| VESA® Hole Pitch (W x H)                   | 600 x 400 (mm)      |

## ACCESSORIES

|             |                          |
|-------------|--------------------------|
| Accessories | 1 x Wall-mounted bracket |
|             | 1 x 3 meter power cord   |
|             | 2 x Pen                  |
|             | 1 x Remote Control       |

## ENVIRONMENTAL

|                       |              |
|-----------------------|--------------|
| Operation Temperature | 5°C - 35°C   |
| Storage Temperature   | -15°C - 45°C |
| Operation Humidity    | 20% - 80%RH  |
| Storage Humidity      | <80%RH       |

# Technical Specification

| Display Parameters                   |                             | SOUND                                   |                          |
|--------------------------------------|-----------------------------|-----------------------------------------|--------------------------|
| Size                                 | 75"                         | Audio Power Output                      | 15W x 2                  |
| Panel Technology                     | LCD                         | Speaker Position                        | Front                    |
| Display Resolution                   | 3840 x 2160                 | SMART SYSTEM                            |                          |
| Brightness (Type)                    | 350 cd/m²                   | CPU                                     | 8 Core A55               |
| Contrast (Type)                      | 4000:1                      | GPU                                     | Mali-G52 MC2             |
| Response Time (Gray To Gray)         | 8 ms                        | Operating System                        | Android 14.0             |
| Frame Rate                           | 60 Hz                       | RAM                                     | 8GB                      |
| Viewing Angle (H / V)                | 178°/178°                   | Internal Storage                        | 128GB                    |
| Backlight Type                       | Direct LED                  | POWER                                   |                          |
| Service Life                         | > 50000 Hours               | Power Supply                            | AC 200-240 V 50 / 60Hz   |
| Low Blue Light(hardware)             | N/A                         | Power Consumption                       | TBD                      |
| NTSC                                 | 72%                         | Power Consumption                       | <0.5 W                   |
| Installation                         | Landscape                   | MECHANICAL                              |                          |
| TOUCH                                |                             | Appearance ID                           | 5E                       |
| Detection Method                     | Infrared                    | Front Glass                             | Tempered Glass           |
| Available Touch Point                | 40 Points                   | Aluminum Frame                          | Black                    |
| Response Time                        | <5 ms                       | Pen Holder                              | Yes                      |
| Minimum Response Size                | >2.5mm                      | Buttons                                 | 1                        |
| Ink In Tools                         | Yes                         | Dimension of Product (W x H x D)        | 1714 x 1033 x 84mm       |
| Scan Rate                            | ≥200hz                      | Dimension of Package Carton (W x H x D) | 1839 x 1127 x 190mm      |
| Touch Resolution                     | 32768 x 32768               | VESA® Hole Pitch (W x H)                | 800 x 600 (mm), M8 Screw |
| Communication Interface              | USB+Uart                    | ACCESSORIES                             |                          |
| CONNECTIVITY (Mainboard)             |                             | Accessories                             | 1 x Wall-mounted bracket |
| HDMI In                              | x 1(Side)                   |                                         | 1 x 3 meter power cord   |
| USB 3.0                              | x 1 (Side / Type-A)         |                                         | 2 x Pen                  |
| USB 2.0                              | x 1 (side/Type-A)           |                                         | 1 x Remote Control       |
| Earphone                             | x 1 (Bottom / Mini Jack)    | ENVIRONMENTAL                           |                          |
| Digital Audio Out                    | x 1 (Bottom/Coaxial )       | Operation Temperature                   | 5°C - 35°C               |
| RS-232C                              | x 1 (Side / DB-9F)          | Storage Temperature                     | -15°C - 45°C             |
| TF                                   | x 1(Side)                   | Operation Humidity                      | 20% - 80%RH              |
| LAN                                  | x 1 (Bottom/RJ45)           | Storage Humidity                        | <80%RH                   |
| Wi-Fi Module                         | 1 x 802.11ac                |                                         |                          |
| Touch Out                            | 1 x (Side / USB Type-B 2.0) |                                         |                          |
| Bluetooth                            | v5.2                        |                                         |                          |
| CONNECTIVITY (Front Interface Board) |                             |                                         |                          |
| USB 3.0                              | x 3(Type-A)                 |                                         |                          |
| USB Type C(usb 2.0)                  | x 1                         |                                         |                          |
| HDMI In                              | x 1                         |                                         |                          |
| Touch Out                            | x 1(Type-B 2.0)2            |                                         |                          |
| CONNECTIVITY(OPS Board)              |                             |                                         |                          |
| OPS Slot                             | x 1(80Pin)                  |                                         |                          |

# Technical Specification

| Display Parameters                   |                             | SOUND                                      |                                                                                     |
|--------------------------------------|-----------------------------|--------------------------------------------|-------------------------------------------------------------------------------------|
| Size                                 | 86"                         | Audio Power Output                         | 15W x 2                                                                             |
| Panel Technology                     | LCD                         | Speaker Position                           | Front                                                                               |
| Display Resolution                   | 3840 x 2160                 | SMART SYSTEM                               |                                                                                     |
| Brightness (Type)                    | 350 cd/m <sup>2</sup>       | CPU                                        | 8 Core A55                                                                          |
| Contrast (Type)                      | 4000:1                      | GPU                                        | Mali-G52 MC2                                                                        |
| Response Time (Gray To Gray)         | 8 ms                        | Operating System                           | Android 14.0                                                                        |
| Frame Rate                           | 60 Hz                       | RAM                                        | 8GB                                                                                 |
| Viewing Angle (H / V)                | 178°/178°                   | Internal Storage                           | 128GB                                                                               |
| Backlight Type                       | Direct LED                  | POWER                                      |                                                                                     |
| Service Life                         | > 50000 Hours               | Power Supply                               | AC 200-240 V 50 / 60Hz                                                              |
| Low Blue Light(hardware)             | N/A                         | Power Consumption                          | TBD                                                                                 |
| NTSC                                 | 72%                         | Power Consumption                          | <0.5 W                                                                              |
| Installation                         | Landscape                   | MECHANICAL                                 |                                                                                     |
| TOUCH                                |                             | Appearance ID                              | 5E                                                                                  |
| Detection Method                     | Infrared                    | Front Glass                                | Tempered Glass                                                                      |
| Available Touch Point                | 40 Points                   | Aluminum Frame                             | Black                                                                               |
| Response Time                        | <5 ms                       | Pen Holder                                 | Yes                                                                                 |
| Minimum Response Size                | >2.5mm                      | Buttons                                    | 1                                                                                   |
| Ink In Tools                         | Yes                         | Dimension of Product<br>(W x H x D)        | 1959 x 1170 x 84mm                                                                  |
| Scan Rate                            | ≥200hz                      | Dimension of Package Carton<br>(W x H x D) | 2084 x 1264 x 190mm                                                                 |
| Touch Resolution                     | 32768 x 32768               | VESA® Hole Pitch (W x H)                   | 800 x 600 (mm), M8 Screw                                                            |
| Communication Interface              | USB+Uart                    | ACCESSORIES                                |                                                                                     |
| CONNECTIVITY (Mainboard)             |                             | Accessories                                | 1 x Wall-mounted bracket<br>1 x 3 meter power cord<br>2 x Pen<br>1 x Remote Control |
| HDMI In                              | x 1(Side)                   | ENVIRONMENTAL                              |                                                                                     |
| USB 3.0                              | x 1 (Side / Type-A)         | Operation Temperature                      | 5°C - 35°C                                                                          |
| USB 2.0                              | x 1 (side/Type-A)           | Storage Temperature                        | -15°C - 45°C                                                                        |
| Earphone                             | x 1 (Bottom / Mini Jack)    | Operation Humidity                         | 20% - 80%RH                                                                         |
| Digital Audio Out                    | x 1 (Bottom/Coaxial )       | Storage Humidity                           | <80%RH                                                                              |
| RS-232C                              | x 1 (Side / DB-9F)          |                                            |                                                                                     |
| TF                                   | x 1(Side)                   |                                            |                                                                                     |
| LAN                                  | x 1 (Bottom/RJ45)           |                                            |                                                                                     |
| Wi-Fi Module                         | 1 x 802.11ac                |                                            |                                                                                     |
| Touch Out                            | 1 x (Side / USB Type-B 2.0) |                                            |                                                                                     |
| Bluetooth                            | v5.2                        |                                            |                                                                                     |
| CONNECTIVITY (Front Interface Board) |                             |                                            |                                                                                     |
| USB 3.0                              | x 3(Type-A)                 |                                            |                                                                                     |
| USB Type C(usb 2.0)                  | x 1                         |                                            |                                                                                     |
| HDMI In                              | x 1                         |                                            |                                                                                     |
| Touch Out                            | x 1(Type-B 2.0)2            |                                            |                                                                                     |
| CONNECTIVITY(OPS Board)              |                             |                                            |                                                                                     |
| OPS Slot                             | x 1(80Pin)                  |                                            |                                                                                     |



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