

InnoBoard Series

COB INTELLIGENT LED DISPLAY TERMINAL



Overview of InnoBoard Series

The COB series, a new generation of intelligent LED display terminals, features a unit cabinet thickness of 39.75mm. It utilizes self-emitting MicroLED chips and adopts the COB full flip-chip packaging process, offering superior stability, higher luminous efficiency, and enhanced protection. With standardized ultra-clear LED display and a variety of specifications to choose from, it can adapt to different scenarios and spatial requirements. The "All in One" highly integrated design integrates a modular cabinet, power supply system, remote control operation, touch handwriting control, and comes with integrated system software and hardware. It features a built-in Android+Windows dual system, supports localized systems, and supports multiple self-developed applications, allowing for the expansion of various scenario applications according to needs.



KEY FEATURES



Full Flip Chip COB Ultra-slim
Bezel Ultra-high Screen-to-body Ratio



ALL-IN-ONE
Clean-back Cable-free Design



Leading 3in1 Integrated Design
Minimized Internal Cabling Improves Reliability



Integrated Audiovisual System
Built-in 2x16W Hi-Fi Speakers



Front Maintenance
Minimalist Design



Modular Entire Row Design
Enables Quick Installation And Rapid Cabling, Operable by One Person

SPECIFICATIONS

InnoBoard Series

Indoor All-in-One

Item	InnoBoard135-T	InnoBoard162-T	InnoBoard135-N	InnoBoard162-N
Display Size	135 inches (16:9)	162 inches (16:9)	135 inches (16:9)	162 inches (16:9)
Pixel Structure	Full flip-chip COB	Full flip-chip COB	Full flip-chip COB	Full flip-chip COB
Pixel Pitch (mm)	1.56	1.87	1.56	1.87
Screen Display Size (WxH)(mm)	3000x1687.5	3600x2025	3000x1687.5	3600x2025
Physical Resolution	1920x1080	1920x1080	1920 x1080	1920x1080
Contrast Ratio	10000:1	10000:1	10000:1	10000:1
Brightness, adjustment	≥500nit	≥500nit	≥500nit	≥500nit
Horizontal Viewing Angle	160°			
Vertical Viewing Angle	160°			
Drive Mode	Common anode constant current drive			
Module Size (WxH)(mm)	150x168.75	150x168.75	150x168.75	150x168.75
Module Resolution	96x108	80x90	96x108	80x90
Viewing Distance	≥3m	≥5m	≥3m	≥5m
Used Space	40m ² ~ 60m ²	60m ² ~ 80m ²	40m ² ~ 60m ²	60m ² ~ 80m ²
Brightness Uniformity	≥97%			
Color Uniformity	Within ±0.003Cx,Cy			
Operation Temperature	-10 °C- 40°C			
Operation Humidity	10 - 90% RH (non-condensing)			
LED Lifespan	100000h			
Audio and Video Interface	HDMI1.3 INx1, USB2.0x1, USB3.0x1, OPS computer interface 80pinx1, HDMI1.3 OUTx1, Audio OUTx1, SPDIF OUTx1			
Control Port	Gigabit Ethernet port RJ45x1, RS232x1			
Antenna Port	WiFi-STA (1T1R), WiFi-AP (2T2R)/BT			
Power Port	100-240VAC 50/60Hz 16A			
Touch Sensing Technology	Infrared sensor recognition touch technology		/	
Touch Points	20 Touch points		/	
Writing Points	10 points		/	
Dual-Pen Gap	25mm		/	
Writing Object	Indistinct objects such as fingers and touch pens		/	
Average Frame Rate	90Hz		/	
Touch Accuracy	Over 90% of the touch area is within ±1mm		/	
Interpolated Resolution	32767(W)x32767(D)		/	
Theoretical Click Count	theoretically unlimited		/	
Response Time	11ms		/	
Minimum Touch Object	Single point 6mm, 8mm for multiple points		/	
Storage Humidity Range (RH)	10~90% without condensation			

Remark: Above data is subject to change without prior notice.

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