

Smart Teaching with Orion e-Board Solutions



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Multi e-Board

Multi e-Board. The flexible Multi e-Board has revolutionized the large-sized e-Board display market with its unique and optimal multi display features. Orion Co, with its built-up videowall expertise, is proudly releasing large-sized Multi e-Boards, optimized for board configurations at school and corporate meeting room.



● Main Characteristics of Orion e-Board

- Excellent Response Time (125 / Second)
- Both Hand Touch & IR Pen Touch Supportable
- Shown Better System Reliability than Capacitor & Resistive Touch Pad
- Easy Touch Calibration
- No Additional Software Driver Needed
- Multi Touch Support (2 Points : Windows 7 Compatible)
- Support for Value-Added Function through Gestures



● Special Features

Screen Size	84", 94", 117", 126"
Touch	Camera & IR Touch (Up to 6 points)
Built-in PC	Optional (Industrial PC/WIN7)
Multi Signal Source Processing	DVI, D-Sub, Video(BNC), Ethernet (RJ45)
E-Board Tools	Multi Language Supports (English, Chinese, French, Deutsch, Arabic)
Physical Dimension	Multi e-Board 84" (1848 x 1042), 117" (2772 x 1042), 126" (2899.8 x 1770.9), 94" (2170.9 x 1190.3)
Applications	School Room, Corporate Meeting Room, Conference Room

● Specification Comparison Table

Description	OPE-8401	OPE-11701	OPE-12601	OLE-9401
Panel Technology	Multi PDP Panel Technology			Multi LCD Panel Technology
Size	84"	117"	126"	94"
Aspect Ratio	16 : 9	24 : 9	16 : 9	16 : 9
Panel Active Area	1848 X 1042	2772 X 1042	2772 X 1563	2053 X 1210
SEAM Size	1.9mm	1.9mm	1.9mm	5.7mm
Resolution	32767 X 32767			
Response Time	7ms to 13ms (typically 9ms)			
Working Environment	-30°C to 70°C			
IR Wave	850nm			
Power Consumption	Sensor Module : Typically 233mA at 5V IR Bar : 200mA per meter at 5V at Highest intensity			
PC Interface	USB 2.0 (High speed), Plug & Play			
OS	MS Windows, Mac OS X, Linux			
PC	Optional (External PC)			
Input /Output	DVI, D-Sub, Video (BNC), Ethernet (RJ45), RS232C			

● Key Benefits

Compared to available e-Board solutions, Orion Multi e-Board has such advanced features as slimmer seam and flexible size display



● Built-In PC (Optional)

Item	Spec	Remark
Main Board	Intel H77 chipset board	For the simple e-board solution, i5 CPU is recommended.
CPU	Intel core i5-3G 3550 (ivybridge)	
Memory	DDR3 8GB PC3-12800	More than 4 GB
HDD/SSD	500GB/120G	5400RPM
VGA	3Ch Input Card	ATI Radeon HD Series or Matrox M9138, supporting more than 3 ch input VGA. For the case where Daisy Chain (up to 1920x1080 resolution) is used, embedded Graphic Card is usable.
Power Supply	500W	Depending upon the specifications of VGA, 500W power is recommended.
LAN Card	Wireless Ethernet Adapter PCI-Ex	OPTION
DVD-ROM	Super-Multi Drive	OPTION
Webcam	Microsoft Lifecam Studio	OPTION
K/B / MOUSE	Microsoft Wireless Desktop 800	OPTION

Standard LED e-Board

Large-Sized LED e-board. Large-sized LED e-board does not have to be heavy and stuffy any more! Orion's new large-sized displays, utilizing LED BLU, are designed for slim & light frame structure and adopt the cost-effective operational features, Come to benefit the minimum TCO experience with Orion's Large-sized LED display.



Specification

Description	OLS-6501TS → OLS-6510TCA	OLS-7001TS → OLS-7010TCS	OLS-8001TS → OLS-8010TCS
Panel	Size 65" LED	70" LED	80" LED
	Resolution 1,920 x1,080	1,920 x1,080	
	Brightness 360 cd/m2	500 cd/m2	
	Contrast Ratio 4,000:1	5,000:1	
	Viewing Angle 178°/178°	178°/178°	
	Response Time 8ms (Typ. GTG)	8ms (Typ. GTG)	
	Aspect Ratio 16:9	16:9	
Industrial AD Board	Input Port HDMI / DVI / PC(D-Sub) / Component / Audio / RS-232C / S-Video / AV1,2		
	Output Port DVI / PC(D-Sub) / Audio / RS-232C		
	Sound 20W (10W+10W)	20W (10W+10W)	
Touch	Touch Type IR Camera & Reflector Bar	Optical Camera & IR Reflector Bar	
	Multi Touch (Option) 2 Points	4 points / 10 Points	
	Resolution 32767 x 32767	32767 x 32767	
	Response Time 7~13ms (9ms Typ.)	7~13ms (9ms Typ.)	
	Interface USB 2.0 Compatible (full speed) / Plug & Play Compatible / HID Compliant		
	IR Wavelength 850nm	850nm	
	Tempered Glass 5t Anti-Glare	5t Anti-Glare	
	OS Support Win-7, XP, Vista	Win-8, Win-7, XP, Vista, Linux, MAC OS X, Android	
Industrial PC (Option)	Type -	Mini ITX	
	CPU -	Intel 1155socket, Core i5 Processor	
	Memory -	4 GB RAM 1066Mhz DDR3	
	OS -	WIN7	
	DISK -	Up to HDD 500G at 7200 RPM	
SW	Contents Edit & Player, e-board Pansor S/W		

Special Features

Screen Size	65", 70", 80"
Frame Design	Slim & Light Frame Structure
Touch Type	Optical or IR Touch
Cost Effective Operation	LED B/L Display, Minimum Power Consumption/Standby Power (Minimize TCO)
Special Functionalities	Dynamic Dimming Control, PIP Function, Auto Detection of Input Video Signal, Temperature Sensor, Auto Brightness



Advanced 84" LED e-Board

The Largest LED e-Board. The sophisticated & largest Orion e-Board solution has set the new standards for high-end e-board display through sophisticated functions and features. Equipped with touch device, the Orion 84" e-Board will pave the way for the new Era for the large e-board display.



Specification

Description	OLS-8401TS → OLS-8410TCL	
Display	Panel Technology	IPS
	Size	84" LED
	Resolution	3840 x 2160 (4K x 2K)
	Brightness	350 cd/m2
Touch	Contrast Ratio	1600:1
	Touch Resolution	32767 X 32767
	Response Time	7ms to 13ms (typically 9ms)
	Operating Temperature	0°C to 70°C
	IR Wavelength	850nm
	Power Consumption	Sensor Module : Typically 233mA at 5V IR Bar : 200mA per meter at 5V at Highest intensity
	Interface	USB 2.0 (High speed), Plug & Play
Connectivity	Input Port	HDMI, VGA(D-Sub), Component, CVBS, RS-232C, Audio
	Output Port	HDMI, VGA(D-Sub), Component, CVBS, RS-232C
Industrial PC (Option)	Type	Mini ITX
	CPU	Intel 1155socket, Core i5 Processor
	Memory	4 GB RAM 1066Mhz DDR3
	OS	WIN7
	DISK	Up to HDD 500G at 7200 RPM

Special Features

Screen Size	84"
Touch Type	Optical Touch (4 points / 10 points)
Built-in PC	Optional (Industrial PC/WIN7)
E-Board Tool	Pansor S/W, Contents Edit & Player
Multi Signal Source Processing	HDMI, CVBS, D-Sub, Components, RS-232C
Ergonomic Design	Slim & Light, User Friendly Design



LCD e-Board

LCD e-Board. The large-sized LCD e-Boards have transformed the e-Board market with its unmatched specifications in resolution, brightness. Orion Co, with its signage expertise, has proudly released sophisticated large-sized LCD e-Boards of various sizes.



Special Features

Screen Size	55", 65", 70", 82"
Touch	Optical or IR Touch (up to 2 points)
Built-in PC	Optional (Industrial PC/WIN7)
Multi Signal Source Processing	HDMI, CVBS, D-Sub, Component, RS-232C
E-Board Tools	Multi Language Support (English, Chinese, French, Deutsch, Arabic)
Ergonomic Design	Easily Detachable Frame Structure
Applications	School Room, Corporate Meeting Room, Conference Room



Specification

Model	OLS-5501CSMT(e)	OLS-6501BSMT(e)	OLS-7001BSMT(e)	OLS-8201BSMT(e)	
Display Panel	Panel Technology				
	TFT LCD				
	Screen Size (inch)	55"	65"	70"	82"
	Active Display Area (mm)	1209.6x680.4 (H/V)	1428.43x803.52 (H/V)	1549.44x871.56 (H/V)	1805.76x1015.74 (H/V)
	Number of Pixels	1920x1080 (WUXGA)			
	Aspect Ratio	16 : 9			
	Display Colors	16.7Mil			
	Brightness (cd/m ²)(typ)	450	500	450	
	Contrast Ratio	2,000:1			
	Response Time (ms, GTG)	8	5.5	8	
	Viewing Angle (H/W)	178° / 178°			
	Life Time	50,000h			
	Touch Screen	Housing			
Black powder coated metal					
Type					
Optical or IR Touch					
Response					
32768 x 32768					
Touch Accuracy					
±4mm					
Input Signal	Glass				
	5T Tempered Glass				
	Interface				
	USB 2.0				
	Multi Touch				
	2-point touch for Win7				
	Detection Method				
	CameraFinger, Brush-pencil, Special or any opaque object				
	PC Timing				
	Max 1920 x 1080 (WUXGA)				
Connectivity & Control	DTV Timing				
	Max 1080P				
	Input	HDMI			
		1			
		VGA (DSUB)			
		1			
		Component			
	1				
	Output	CVBS			
		1			
RS232C (9600 bps)					
1					
Audio					
RCA x 3, Phone jack x 1					
Power Requirement	HDMI				
	1				
	Component				
	1				
	CVBS				
1					
RS232C (9600 bps)					
1					
Input Voltage					
100 - 240 VAC					
Consumption / Operating(typ)(W)					
280 330 750 850					
Consumption / Standby (typ)(W)					
Under 1W					
Power Control (Standby)					
External RS232C Singnal / Remote Controller / Power Button					
Environmental Conditions	Temperature / Humidity				
0 - 35 / 20% - 80%					
OSD Languages	Multi Language				



e-Podium

e-Podium. The sophisticated Orion e-Podium solution supplements the e-Board for the seamless interface with multiple external devices through embedded powerful wireless controller. Equipped with 19", 23" LCD monitor, Orion e-Board sets the new standard as the multi-faceted electric podium device.



Special Features

Screen Size	19", 23"
Touch	Resistive 5-wire touch screen
Amp. Speaker	Amp.:125W, Speaker:60W X 2EA=120W - Interfaced Devices : Projector, TV, e-board, DVD, AV Receiver, Air-Conditioner, All electronic devices with IR Remote Controller
Wireless Controller	
Mike	Goose Neck Mike Device
Ergonomic Design	User Friendly Design



Specification

Description		OLS-1901EP	OLS-2301EP
Monitor	Panel Technology	TN LCD	TN LCD
	Size	19"	23"
	Resolution	1920x 1080 (WUXGA)	1920x 1080 (WUXGA)
	Brightness	250 cd/m2	250 cd/m2
	Contrast Ratio	700:1	700:1
Touch	Type	5-Wire Resistive	5-Wire Resistive
	Tool	Stylus Pen or Finger	Stylus Pen or Finger
	Pressure	100 g Over	100 g Over
	Response Time	20 ms	20 ms
	Hardness	3H	3H
Connectivity	Input Port	RGB, DVI	RGB, DVI
	Output Port	USB 2.0	USB 2.0
Microphone		Goose Neck Microphone Type	Goose Neck Microphone Type
Amplifier. Speaker		Amp:125W Speaker:60W X 2EA=120W	Amp:125W Speaker:60W X 2EA=120W
Wireless Controller		Chargeable 2.4Ghz RF	Chargeable 2.4Ghz RF

