

## IFP8650 - 86" 4K TOUCH ENABLED VIEWBOARD SMART DISPLAY

## **Key Features**

- Everything within Reach
- Enhanced Touchscreen Performance
- myViewBoard<sup>™</sup> Annotation Software
- ViewBoard Cast Content Sharing Software
- Enhanced Viewing Comfort
- SmartPort USB™





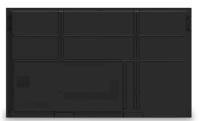




PANEL



RESOLUTION



## Product **Description**

Featuring 4K Ultra HD resolution and an advanced, next-generation touchscreen, the ViewSonic® ViewBoard® IFP8650 delivers incredible collaborative capabilities for 21st century boardrooms and classrooms. With integrated myViewBoard® annotation software and ViewBoard Cast streaming software, content creation and sharing has never been easier. What's more, this ENERGY STAR certified display delivers optional slot-in PC capability for more computing-intensive interactive applications. A VESA-compatible design allows for installation on a wall mount, or on an optional trolley cart for more flexible installation in classrooms and meeting rooms.

## **Specifications**

CPU         ARM Quad Core A73 + A53           CPU Processor Speed         A73: 1:16Hz, A53: 1:56Hz           Memory         30B           Storage         320B           Internal Speakers         10W (x2)           Subwoofer         15W (x1)           HDMI 2.0 In         3           VGA         1           3.5mm Audio In         1           3.5mm Audio Out         1           USB 3.0         4           USB 2.0         3           Slot-In PC Slot         1           USB B Touch Port         2           R5232         1           Ethernet LAN (RJ45)         1           VIFI Module Slot         1           Intel® OPS Slot In (80-pin)         1           Voltage         100-240 VAC           Consumption (max)         350W           Consumption (typical)         155W           Temperature         31.00°F (0 - 40°C)           Humidity (non-condensing)         10-90%           Touch Points         Wirindows: 20, Android: 20           Tip Detection         Dual tips, 3mm and 8mm           Net (lbs)         155.7           Gross (lbs)         20.2.8           Net (kg) <th>os</th> <th>ViewBoard OS (embedded Android 8)</th>	os	ViewBoard OS (embedded Android 8)
Memory         3GB           Storage         326B           Internal Speakers         10W (x2)           Subwoofer         15W (x1)           HDMI 2.0 In         3           VGA         1           3.5mm Audio In         1           3.5mm Audio Out         1           USB 3.0         4           USB 3.0         4           USB 3.0         3           SIot-in PC Slot         1           USB B Touch Port         2           R5232         1           Ethernet LAN (RJ45)         1           WIFI Module Slot         1           Intel® OPS Slot In (80-pin)         1           Voltage         100-240 VAC           Consumption (max)         350W           Consumption (typical)         155W           Temperature         32-104° F (0 - 40° C)           Humidity (non-condensing)         10-90%           Touch Technology         Infrared           Tip Detection         Dual tips, 3mm and 8mm           Net (lbs)         153.7           Gross (lbs)         202.8           Net (kg)         69.7           Gross (kg)         92.0           Pack	СРИ	ARM Quad Core A73 + A53
Storage   3268   Internal Speakers   10W (x2)	CPU Processor Speed	A73: 1.1GHz, A53: 1.5GHz
Internal Speakers   10W (x2)	Memory	3GB
Subwoofer         15W (x1)           HDMI 2.0 In         3           VGA         1           3.5mm Audio In         1           3.5mm Audio Out         1           USB 3.0         4           USB 2.0         3           Slot-in PC Slot         1           USB B Touch Port         2           R5232         1           Ethernet LAN (RJ45)         1           WIFI Module Slot         1           Intel® OPS Slot In (80-pin)         1           Voltage         100-240 VAC           Consumption (max)         350W           Consumption (typical)         155W           Temperature         3:-1048 F (0 - 40% C)           Humidity (non-condensing)         10-90%           Touch Technology         Infrared           Touch Technology         Infrared           Touch Points         Windows: 20, Android: 20           Tip Detection         Dual tips, 3mm and 8mm           Net (lbs)         253.7           Gross (lbs)         202.8           Net (kg)         69.7           Gross (kg)         92.0           Packaging (in.)         7.71 x 45.7 x 3.5           Packaging (mm)	Storage	32GB
HDMI 2,0 In         3           VGA         1           3.5mm Audio In         1           3.5mm Audio Out         1           USB 3.0         4           USB 2.0         3           Slot-in PC Slot         1           USB B Touch Port         2           RS232         1           Ethernet LAN (RJ45)         1           WIFI Module Slot         1           Intel® OPS Slot In (80-pin)         1           Voltage         100-240 VAC           Consumption (max)         350W           Consumption (typical)         155W           Temperature         32-104° F (0 - 40° C)           Humidity (non-condensing)         10-90%           Touch Technology         Infrared           Touch Points         Windows: 20, Android: 20           Tip Detection         Dual tips, 3mm and 8mm           Net (lbs)         153.7           Gross (lbs)         20.2.8           Net (kg)         69.7           Gross (kg)         9.0           Packaging (in.)         33.6 x 53.0 x 11.0           Packaging (im.)         2123.0 x 1345.0 x 280.0	Internal Speakers	10W (x2)
VGA         1           3.5mm Audio In         1           3.5mm Audio Out         1           SPDIF Audio Out         1           USB 3.0         4           USB 2.0         3           Slot-in PC Slot         1           USB B Touch Port         2           RS232         1           Ethernet LAN (RJ45)         1           WIFI Module Slot         1           Intel® OPS Slot In (80-pin)         1           Voltage         100-240 VAC           Consumption (max)         350W           Consumption (typical)         155W           Temperature         32-104° F (0 - 40° C)           Humidity (non-condensing)         10-90%           Touch Technology         Infrared           Touch Points         Windows: 20, Android: 20           Tip Detection         Dual tips, 3mm and 8mm           Net (lbs)         153.7           Gross (lbs)         20.8           Net (kg)         69.7           Gross (kg)         9.0           Packaging (in.)         33.6 x 53.0 x 11.0           Physical (in.)         7.1 x 4.5, 7 x 3.5           Packaging (mm)         2123.0 x 1345.0 x 280.0	Subwoofer	15W (x1)
3.5mm Audio Out 1  SPDIF Audio Out 1  USB 3.0 4  USB 2.0 3  Slot-in PC Slot 1  USB B Touch Port 2  R5232 1  Ethernet LAN (RJ45) 1  WIFI Module Slot 1  Intel® OPS Slot In (80-pin) 1  Voltage 100-240 VAC  Consumption (max) 350W  Consumption (typical) 155W  Temperature 32-104° F (0 - 40° C)  Humidity (non-condensing) 10-90%  Touch Technology Infrared  Touch Points Windows: 20, Android: 20  Tip Detection Dual tips, 3mm and 8mm  Net (lbs) 153.7  Gross (lbs) 202.8  Net (kg) 69.7  Gross (kg) 92.0  Packaging (in.) 83.6 x \$5.3.0 x 11.0  Physical (in.) 77.1 x 45.7 x 3.5  Packaging (mn) 2 123.0 x 1345.0 x 280.0	HDMI 2.0 In	3
3.5mm Audio Out  SPDIF Audio Out  USB 3.0  USB 2.0  3  Slot-in PC Slot  USB B Touch Port  RS232  Ethernet LAN (RJ45)  WIFI Module Slot  Intel® OPS Slot in (80-pin)  Voltage  Consumption (max)  350W  Consumption (typical)  Temperature  32-104° F (0 - 40° C)  Humidity (non-condensing)  Touch Technology  Infrared  Touch Points  Windows: 20, Android: 20  Tip Detection  Dual tips, 3mm and 8mm  Net (lbs)  153.7  Gross (lbs)  202.8  Net (kg)  69.7  Gross (kg)  Packaging (in.)  83.6 × 53.0 × 11.0  Physical (in.)  Physical (in.)  7.71 x 45.7 x 3.5  Packaging (mm)  2123.0 × 1345.0 × 280.0	VGA	1
SPDIF Audio Out         1           USB 3.0         4           USB 2.0         3           Slot-in PC Slot         1           USB 8 Touch Port         2           R5232         1           Ethernet LAN (RJ45)         1           WIFI Module Slot         1           Intel® OPS Slot in (80-pin)         1           Voltage         100-240 VAC           Consumption (max)         350W           Consumption (typical)         155W           Temperature         32-104° F (0 - 40° C)           Humidity (non-condensing)         10-90%           Touch Technology         Infrared           Touch Points         Windows: 20, Android: 20           Tip Detection         Dual tips, 3mm and 8mm           Net (lbs)         153.7           Gross (lbs)         202.8           Net (kg)         69.7           Gross (kg)         92.0           Packaging (in.)         83.6 x 53.0 x 11.0           Physical (in.)         77.1 x 45.7 x 3.5           Packaging (mm)         2123.0 x 1345.0 x 280.0	3.5mm Audio In	1
USB 3.0  USB 2.0  3  Slot-in PC Slot  1  USB B Touch Port  2  RS232  1  Ethernet LAN (RJ45)  WIFI Module Slot  Intel® OPS Slot In (80-pin)  Voltage  100-240 VAC  Consumption (max)  350W  Consumption (typical)  Temperature  32-104° F (0 - 40° C)  Humidity (non-condensing)  Touch Technology  Infrared  Touch Points  Windows: 20, Android: 20  Tip Detection  Dual tips, 3mm and 8mm  Net (lbs)  153.7  Gross (lbs)  202.8  Net (kg)  69.7  Gross (kg)  92.0  Packaging (in.)  83.6 x 53.0 x 11.0  Physical (in.)  77.1 x 45.7 x 3.5  Packaging (mm)  2123.0 x 1345.0 x 280.0	3.5mm Audio Out	1
Slot-in PC Slot   1	SPDIF Audio Out	1
Slot-in PC Slot   1	USB 3.0	4
USB B Touch Port         2           R5232         1           Ethernet LAN (RJ45)         1           WIFI Module Slot         1           Intel® OPS Slot In (80-pin)         1           Voltage         100-240 VAC           Consumption (max)         350W           Consumption (typical)         155W           Temperature         32-104° F (0 - 40° C)           Humidity (non-condensing)         10-90%           Touch Technology         Infrared           Touch Points         Windows: 20, Android: 20           Tip Detection         Dual tips, 3mm and 8mm           Net (lbs)         153.7           Gross (lbs)         202.8           Net (kg)         69.7           Gross (kb)         92.0           Packaging (in.)         83.6 x 53.0 x 11.0           Physical (in.)         77.1 x 45.7 x 3.5           Packaging (mm)         2123.0 x 1345.0 x 280.0	USB 2.0	3
RS232         1           Ethernet LAN (RJ45)         1           WIFI Module Slot         1           Intel® OPS Slot In (80-pin)         1           Voltage         100-240 VAC           Consumption (max)         350W           Consumption (typical)         155W           Temperature         32-104° F (0 - 40° C)           Humidity (non-condensing)         10-90%           Touch Technology         Infrared           Touch Points         Windows: 20, Android: 20           Tip Detection         Dual tips, 3mm and 8mm           Net (lbs)         153.7           Gross (lbs)         202.8           Net (kg)         69.7           Gross (kg)         92.0           Packaging (in.)         83.6 x 53.0 x 11.0           Physical (in.)         77.1 x 45.7 x 3.5           Packaging (mm)         2123.0 x 1345.0 x 280.0	Slot-in PC Slot	1
Ethernet LAN (R)45)         1           WIFI Module Slot         1           Intel® OPS Slot In (80-pin)         1           Voltage         100-240 VAC           Consumption (max)         350W           Consumption (typical)         155W           Temperature         32-104® F (0 - 40® C)           Humidity (non-condensing)         10-90%           Touch Technology         Infrared           Touch Points         Windows: 20, Android: 20           Tip Detection         Dual tips, 3mm and 8mm           Net (lbs)         153.7           Gross (lbs)         202.8           Net (kg)         69.7           Gross (kg)         92.0           Packaging (in.)         83.6 x 53.0 x 11.0           Physical (in.)         77.1 x 45.7 x 3.5           Packaging (mm)         2123.0 x 1345.0 x 280.0	USB B Touch Port	2
WIFI Module Slot         1           Intel® OPS Slot In (80-pin)         1           Voltage         100-240 VAC           Consumption (max)         350W           Consumption (typical)         155W           Temperature         32-104° F (0 - 40° C)           Humidity (non-condensing)         10-90%           Touch Technology         Infrared           Touch Points         Windows: 20, Android: 20           Tip Detection         Dual tips, 3mm and 8mm           Net (lbs)         153.7           Gross (lbs)         202.8           Net (kg)         69.7           Gross (kg)         92.0           Packaging (in.)         83.6 x 53.0 x 11.0           Physical (in.)         77.1 x 45.7 x 3.5           Packaging (mm)         2123.0 x 1345.0 x 280.0	RS232	1
Intel® OPS Slot In (80-pin)         1           Voltage         100-240 VAC           Consumption (max)         350W           Consumption (typical)         155W           Temperature         32-104° F (0 - 40° C)           Humidity (non-condensing)         10-90%           Touch Technology         Infrared           Touch Points         Windows: 20, Android: 20           Tip Detection         Dual tips, 3mm and 8mm           Net (lbs)         153.7           Gross (lbs)         202.8           Net (kg)         69.7           Gross (kg)         92.0           Packaging (in.)         83.6 x 53.0 x 11.0           Physical (in.)         77.1 x 45.7 x 3.5           Packaging (mm)         2123.0 x 1345.0 x 280.0	Ethernet LAN (RJ45)	1
Voltage         100-240 VAC           Consumption (max)         350W           Consumption (typical)         155W           Temperature         32-104° F (0 - 40° C)           Humidity (non-condensing)         10-90%           Touch Technology         Infrared           Touch Points         Windows: 20, Android: 20           Tip Detection         Dual tips, 3mm and 8mm           Net (lbs)         153.7           Gross (lbs)         202.8           Net (kg)         69.7           Gross (kg)         92.0           Packaging (in.)         83.6 x 53.0 x 11.0           Physical (in.)         77.1 x 45.7 x 3.5           Packaging (mm)         2123.0 x 1345.0 x 280.0	WIFI Module Slot	1
Consumption (max)         350W           Consumption (typical)         155W           Temperature         32-104° F (0 - 40° C)           Humidity (non-condensing)         10-90%           Touch Technology         Infrared           Touch Points         Windows: 20, Android: 20           Tip Detection         Dual tips, 3mm and 8mm           Net (lbs)         153.7           Gross (lbs)         202.8           Net (kg)         69.7           Gross (kg)         92.0           Packaging (in.)         83.6 x 53.0 x 11.0           Physical (in.)         77.1 x 45.7 x 3.5           Packaging (mm)         2123.0 x 1345.0 x 280.0	Intel® OPS Slot In (80-pin)	1
Consumption (typical)         155W           Temperature         32-104° F (0 - 40° C)           Humidity (non-condensing)         10-90%           Touch Technology         Infrared           Touch Points         Windows: 20, Android: 20           Tip Detection         Dual tips, 3mm and 8mm           Net (Ibs)         153.7           Gross (Ibs)         202.8           Net (kg)         69.7           Gross (kg)         92.0           Packaging (in.)         83.6 x 53.0 x 11.0           Physical (in.)         77.1 x 45.7 x 3.5           Packaging (mm)         2123.0 x 1345.0 x 280.0	Voltage	100-240 VAC
Temperature         32-104° F (0 - 40° C)           Humidity (non-condensing)         10-90%           Touch Technology         Infrared           Touch Points         Windows: 20, Android: 20           Tip Detection         Dual tips, 3mm and 8mm           Net (lbs)         153.7           Gross (lbs)         202.8           Net (kg)         69.7           Gross (kg)         92.0           Packaging (in.)         83.6 x 53.0 x 11.0           Physical (in.)         77.1 x 45.7 x 3.5           Packaging (mm)         2123.0 x 1345.0 x 280.0	Consumption (max)	350W
Humidity (non-condensing)         10-90%           Touch Technology         Infrared           Touch Points         Windows: 20, Android: 20           Tip Detection         Dual tips, 3mm and 8mm           Net (Ibs)         153.7           Gross (Ibs)         202.8           Net (kg)         69.7           Gross (kg)         92.0           Packaging (in.)         83.6 x 53.0 x 11.0           Physical (in.)         77.1 x 45.7 x 3.5           Packaging (mm)         2123.0 x 1345.0 x 280.0	Consumption (typical)	155W
Touch Technology         Infrared           Touch Points         Windows: 20, Android: 20           Tip Detection         Dual tips, 3mm and 8mm           Net (Ibs)         153.7           Gross (Ibs)         202.8           Net (kg)         69.7           Gross (kg)         92.0           Packaging (in.)         83.6 x 53.0 x 11.0           Physical (in.)         77.1 x 45.7 x 3.5           Packaging (mm)         2123.0 x 1345.0 x 280.0	Temperature	32-104º F (0 - 40º C)
Touch Points         Windows: 20, Android: 20           Tip Detection         Dual tips, 3mm and 8mm           Net (lbs)         153.7           Gross (lbs)         202.8           Net (kg)         69.7           Gross (kg)         92.0           Packaging (in.)         83.6 x 53.0 x 11.0           Physical (in.)         77.1 x 45.7 x 3.5           Packaging (mm)         2123.0 x 1345.0 x 280.0	Humidity (non-condensing)	10-90%
Tip Detection       Dual tips, 3mm and 8mm         Net (lbs)       153.7         Gross (lbs)       202.8         Net (kg)       69.7         Gross (kg)       92.0         Packaging (in.)       83.6 x 53.0 x 11.0         Physical (in.)       77.1 x 45.7 x 3.5         Packaging (mm)       2123.0 x 1345.0 x 280.0	Touch Technology	Infrared
Net (lbs)       153.7         Gross (lbs)       202.8         Net (kg)       69.7         Gross (kg)       92.0         Packaging (in.)       83.6 x 53.0 x 11.0         Physical (in.)       77.1 x 45.7 x 3.5         Packaging (mm)       2123.0 x 1345.0 x 280.0	Touch Points	Windows: 20, Android: 20
Gross (lbs)       202.8         Net (kg)       69.7         Gross (kg)       92.0         Packaging (in.)       83.6 x 53.0 x 11.0         Physical (in.)       77.1 x 45.7 x 3.5         Packaging (mm)       2123.0 x 1345.0 x 280.0	Tip Detection	Dual tips, 3mm and 8mm
Net (kg)       69.7         Gross (kg)       92.0         Packaging (in.)       83.6 x 53.0 x 11.0         Physical (in.)       77.1 x 45.7 x 3.5         Packaging (mm)       2123.0 x 1345.0 x 280.0	Net (lbs)	153.7
Gross (kg)       92.0         Packaging (in.)       83.6 x 53.0 x 11.0         Physical (in.)       77.1 x 45.7 x 3.5         Packaging (mm)       2123.0 x 1345.0 x 280.0	Gross (lbs)	202.8
Packaging (in.)       83.6 x 53.0 x 11.0         Physical (in.)       77.1 x 45.7 x 3.5         Packaging (mm)       2123.0 x 1345.0 x 280.0	Net (kg)	69.7
Physical (in.) 77.1 x 45.7 x 3.5  Packaging (mm) 2123.0 x 1345.0 x 280.0	Gross (kg)	92.0
Packaging (mm) 2123.0 x 1345.0 x 280.0	Packaging (in.)	83.6 x 53.0 x 11.0
	Physical (in.)	77.1 x 45.7 x 3.5
1050.0 1150.0 1050.0	Packaging (mm)	2123.0 x 1345.0 x 280.0
Physical (mm) 1958.0 x 1160.0 x 90.0	Physical (mm)	1958.0 x 1160.0 x 90.0

VESA Compatible	800 x 600 mm
Warranty	3-year limited warranty on parts, labor and backlight, onsite warranty
Recycle/Disposal	Please dispose of in accordance with local, state or federal laws.
Package Contents	IFP8650 display, stylus pen $\times$ 2, power cable, HDMI cable, USB cable, remote control with batteries, Camera plate, M8 screw $\times$ 8, Quick Start Guide
Regulations	cTUVus, FCC, ENERGY STAR, Mexico Energy, CE, CB, RoHS, ErP, WEEE
Ethernet LAN	(10/100/1000M) (Android 10/100, PC 10/100/1000)
Display Type	LCD
Screen Size	86
Viewable Area (in.)	85.6
Light Source	LED
Display Resolution	3840 x 2160
Refresh Rate	60Hz
Aspect Ratio	16:9
Static Contrast Ratio	1,200:1
Dynamic Contrast Ratio	5,000:1
Backlight Life (Hours)	50,000
Brightness	350 cd/m2
Response Time (Typical GTG)	8ms
Viewing Angles	178º horizontal, 178º vertical
Panel Surface	9Н
Operation Rating	16/7

UPC: 766907002485







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