Lightning III Touch Screen

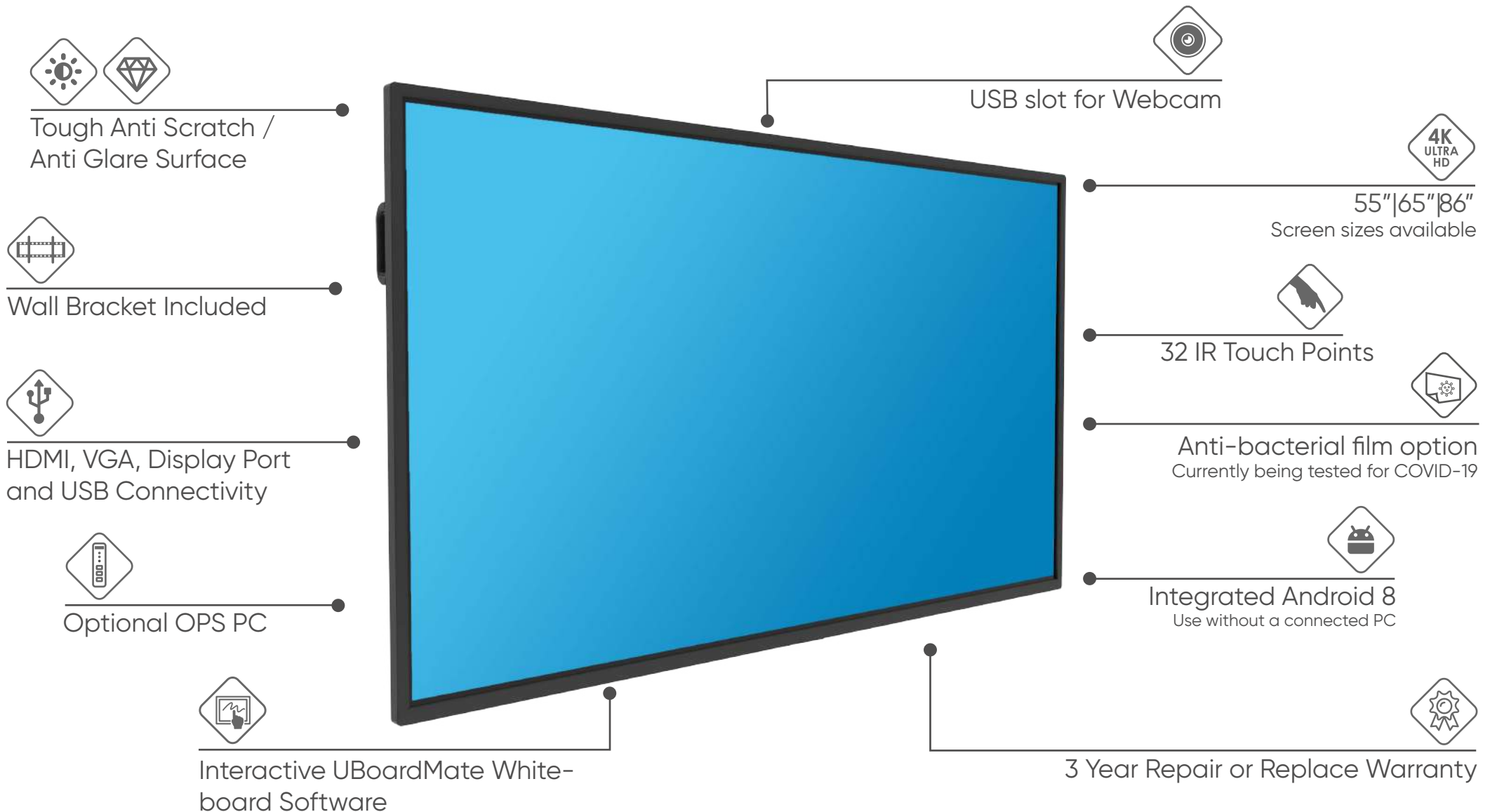**[pro**multis**]**

4K Ultra High Definition (UHD) with 32 IR touch points. The picture quality is excellent and the touch response is superb. The screen is perfect for Business, Education and Commercial use.

Tough Anti Scratch /
Anti Glare Surface

Wall Bracket Included

HDMI, VGA, Display Port
and USB Connectivity

Optional OPS PC

Interactive UBoardMate White-
board Software

USB slot for Webcam

4K ULTRA HD

55"|65"|86"
Screen sizes available

32 IR Touch Points

Anti-bacterial film option
Currently being tested for COVID-19

Integrated Android 8
Use without a connected PC

3 Year Repair or Replace Warranty

[promultis**]**
MULTITOUCH SOLUTIONS

For more exciting multitouch products visit
www.promultis.info
or call +44 (0) 239 251 2794

The Promultis Lightning III is a highly versatile, fast and reliable multitouch screen. With a narrow bezel and modern sleek design, this unit is extremely well equipped with the latest in multitouch infra-red technology.

Available in sizes from 55" up to 86" and all are 4K UHD. The wall or stand mounted Lightning III screen is a very flexible and highly cost-effective solution to a multitude of needs.

Promultis Touch Screens are ideal for:

- Control rooms
- Interactive digital signage
- Education and training rooms
- Presentation environments
- Video conferencing
- Boardrooms
- Reception area

Integrated Android 8.0

Connect a USB drive to one of the USB ports on the display and upload your media directly into the built-in Android Operating System. View and manage your media assets directly from the USB drive.

In addition, you can open the Play Store and install any app onto the screen.

On-screen Menu

On-screen menu allows you to change volume, change video input, freeze the screen, annotate, and turn off the screen. These options are also accessible from the buttons on the side of the screen.

Optional PC integration in rear of display

OPS PC with Intel i7 Processor and built-In A/C band WiFi Router.

USB port for camera

USB port on the top of the display for USB web camera, allowing you to use the Lightning III as a very powerful video conferencing tool and take advantage of a whole host of photo and video applications.

In this example Promultis developed interactive software to exploit the screen webcam feature allowing the client's employees to upload their photograph and add a message of support for an on-going product development.

### Promultis White Board Software

The Lightning III also comes with our industry renowned UboardMate interactive whiteboard software, which allows you to interact with the screen content in a multitude of fun and creative ways, perfect for education and training.

Optional Collaboration Software

Promultis software solutions help you to make presentations more interactive. Allowing your audience to connect wirelessly and contribute to your presentation and collaborate with each other from their own devices. Participants can contribute, add their own notes, capture content and save that session for review at a later date. Enhance meetings, presentations, training and teaching.

Screen Sharing Facility

Screen sharing with up to four PCs.
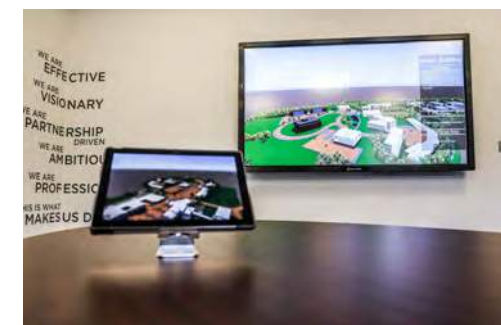
Optional Bespoke Interactive Software

Engage with customers through a fully branded, interactive application with multi-user, collaborative interface incorporating your corporate identity, images, literature, audio files, videos, web sites and social media.

[promultis]
MULTITOUCH SOLUTIONS

For more exciting multitouch products visit
www.promultis.info
or call +44 (0) 239 251 2794

	55" Lightning III	65" Lightning III	86" Lightning III
PANEL			
Screen Size	55" (54.64")	65" (64.53")	86" (85.6")
Panel Technology	TFT LCD	TFT LCD	TFT LCD
Display Resolution	3840 x 2160	3840 x 2160	3840 x 2160
Brightness (Type)	350 cd /m^2	350 cd /m^2	350 cd /m^2
Contrast (Type)	1300 : 1	1300 : 1	1200 : 1
Response Time (Gray To Gray)	9 ms	9 ms	8 ms
Frame Rate	60 Hz	60 Hz	60 Hz
Viewing Angle (H / V)	178° / 178°	178° / 178°	178° / 178°
Display Colors	1.07B (10-bit)	1.07B (10-bit)	1.07B (10-bit)
Backlight Type	Direct LED	Direct LED	Direct LED
Service Life	> 30,000 Hours	> 30,000 Hours	> 30,000 Hours
Installation	Landscape	Landscape	Landscape
TOUCH			
Detection Method	Infrared	Infrared	Infrared
Available Touch Point	32 Point (5 point Ø3mm)	32 Point (5 point Ø3mm)	32 Point (5 point Ø3mm)
Response Time (Type)	<= 10 ms	<= 10 ms	<= 10 ms
Minimum Response Size	>= Ø3mm	>= Ø3mm	>= Ø3mm
Touch Resolution	32768 x 32768	32768 x 32768	32768 x 32768
Communication Interface	USB	USB	USB

[promultis]
MULTITOUCH SOLUTIONS

For more exciting multitouch products visit
www.promultis.info
or call +44 (0) 239 251 2794

|	55" Lightning III	65" Lightning III	86" Lightning III
CONNECTIVITY			
HDMI 2.0 Input(s)	3 (2Side,1Front,ARC/ HDMI1)	3 (2Side,1Front,ARC/ HDMI1)	3 (2Side,1Front,ARC/ HDMI1)
HDMI Output	1 (Side, 4k@60Hz or 2k@60Hz)	1 (Side, 4k@60Hz or 2k@60Hz)	1 (Side, 4k@60Hz or 2k@60Hz)
VGA Input(s) (with Mini Jack Audio Input)	1 (Bottom/DE-15F)	1 (Bottom/DE-15F)	1 (Side/DE-15F)
DisplayPort 1.2 Input(s)	1 (side)	1 (side)	1 (side)
Digital Audio Output(S)	1 (Bottom / Optical)	1 (Bottom / Optical)	1 (Bottom / Optical)
Headphone Output(s)	1 (Bottom / Mini Jack)	1 (Bottom / Mini Jack)	1 (Bottom / Mini Jack)
USB 3.0Port(s)	3 (2 Front; 1 Top / Type-A)	3 (2 Front; 1 Top / Type-A)	3 (2 Front; 1 Top / Type-A)
USB type C	1 (Front/Type-C)	1 (Front/Type-C)	1 (Front/Type-C)
USB 2.0Port(s)	1 (Side,Type-A)	1 (Side,Type-A)	1 (Side,Type-A)
RS-232C Port Input	1 (Bottom / DE-9F)	1 (Bottom / DE-9F)	1 (Bottom / DE-9F)
LAN Port(s)	2(Bottom ; 1XRJ45 for 10/100/1000 BaseT; 1XRJ45 for 10/100 BaseT)	2(Bottom ; 1XRJ45 for 10/100/1000 BaseT; 1XRJ45 for 10/100 BaseT)	2(Bottom ; 1XRJ45 for 10/100/1000 BaseT; 1XRJ45 for 10/100 BaseT)
WI-Fi Module	1X 802.11a/b/g/n/ac, Optional,(for wifi)	1X 802.11a/b/g/n/ac, Optional,(for wifi)	1X 802.11a/b/g/n/ac, Optional,(for wifi)
Touch Out	3 (2 Side / USB Type-B;1 Front;)	3 (2 Side / USB Type-B;1 Front;)	3 (2 Side / USB Type-B;1 Front;)
Bluetooth Version	5.0 (Optional)	5.0 (Optional)	5.0 (Optional)
SOUND			
Audio Power Output (RMS)	15W x 2	15W x 2	15W x 2
Subwoofer	N/A	N/A	N/A
Speaker Position	Down Firing	Down Firing	Down Firing
Sound Mode	Standard/News/Music/Movie/Sports/User	Standard/News/Music/Movie/Sports/User	Standard/News/Music/Movie/Sports/User

	55" Lightning III	65" Lightning III	86" Lightning III
SMART SYSTEM			
CPU	ARM Cortex A73x2; Cortex A53x2	ARM Cortex A73x2; Cortex A53x2	ARM Cortex A73x2; Cortex A53x2
GPU	G51MP4	G51MP4	G51MP4
Operating System	Android 8.0	Android 8.0	Android 8.0
Memory	4GB	4GB	4GB
On-Board Storage	32GB	32GB	32GB
OSD			
OSD Language Function	English	English	English
MECHANICAL			
Dimension of Product (W x H x D)	1285.5mm x 766.2mm x 90mm	1490.5mm x 875.5mm x 89.3mm	1959.5mm x 1140.2mm x 89.3mm
Dimension of Package Carton (W x H x D)	1414mm x 901mm x 232mm	1676mm x 1097mm x 231mm	2139mm x 1140mm x 231mm
VESA® Hole Pitch (W x H)	400 x 400 (mm), M8 Screw	400 x 600 (mm), M8 Screw	600 x 800 (mm), M8 Screw
Weight of Product	34.3kg	43kg	66kg
Weight of Package Carton (Gross)	45kg	56kg	85kg
Front Glass	Tempered Glass (Anti-glare Type)	Tempered Glass (Anti-glare Type)	Tempered Glass (Anti-glare Type)
POWER			
Power Supply	AC 100-240 V 50 / 60Hz	AC 100-240 V 50 / 60Hz	1AC 100-240 V 50 / 60Hz
Power Consumption (in Operation)	125	160	360
Power Consumption (in Standby)	<= 0.5 W	<= 0.5 W	<= 0.5 W
ECO Sensor	Yes	Yes	Yes
ENVIRONMENTAL			
Operation Temperature	0 - 40℃	0 - 40℃	0 - 40℃
Storage Temperature	-20 - 60℃	-20 - 60℃	-20 - 60℃
Operation Humidity	20 - 80 %RH (No Condensation)	20 - 80 %RH (No Condensation)	20 - 80 %RH (No Condensation)
Storage Humidity	10 - 90 %RH	10 - 90 %RH	10 - 90 %RH

[promultis]
MULTITOUCH SOLUTIONS
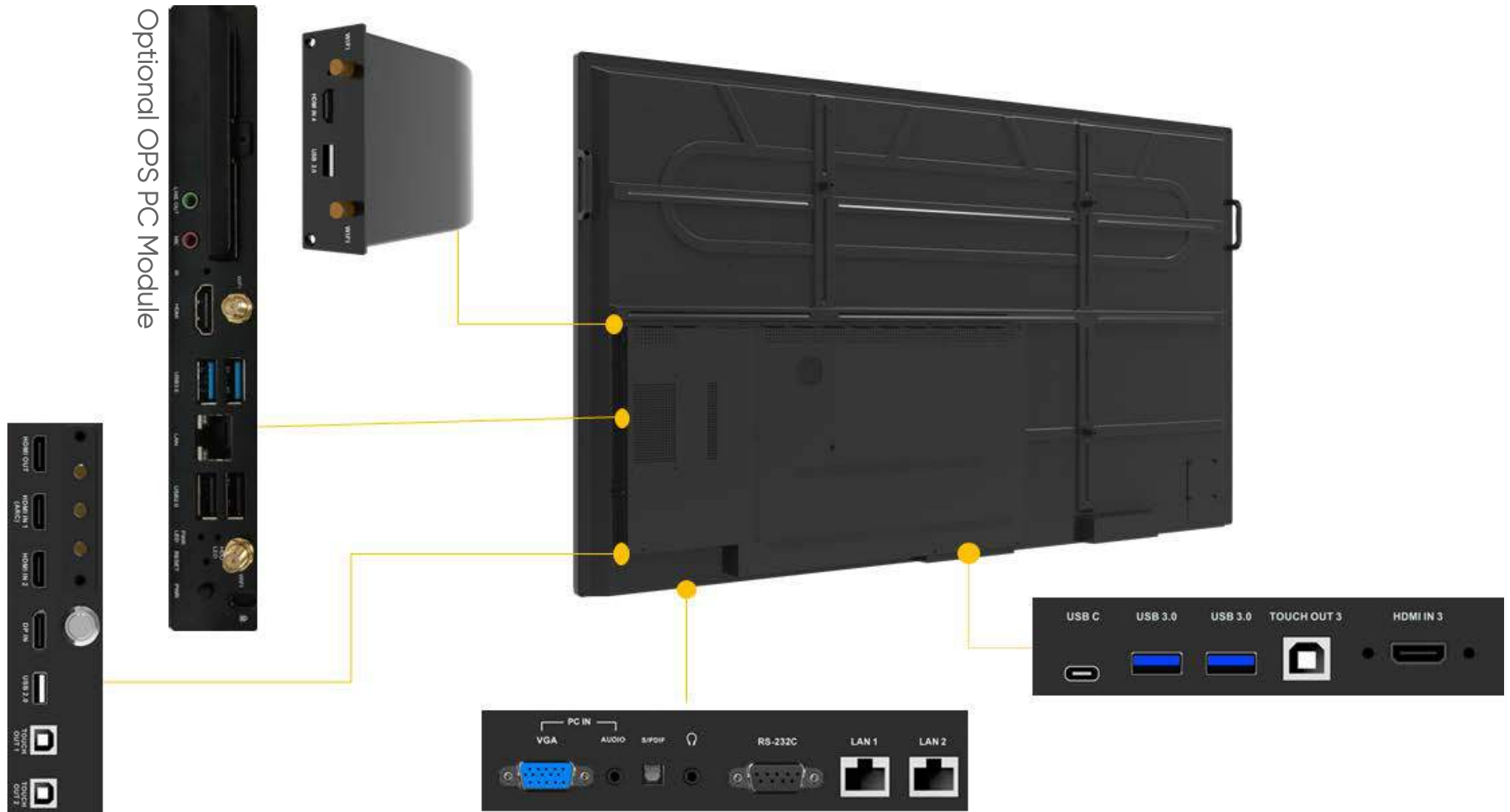
For more exciting multitouch products visit
www.promultis.info
or call +44 (0) 239 251 2794

Optional OPS PC Module

USB C   USB 3.0   USB 3.0   TOUCH OUT 3   HDMI IN 3

PC IN
VGA   AUDIO   S/PDIF   🎧   RS-232C   LAN 1   LAN 2

Note: Product design specifications including dimensions are subject to change without notice and may vary from those shown.

[promultis]
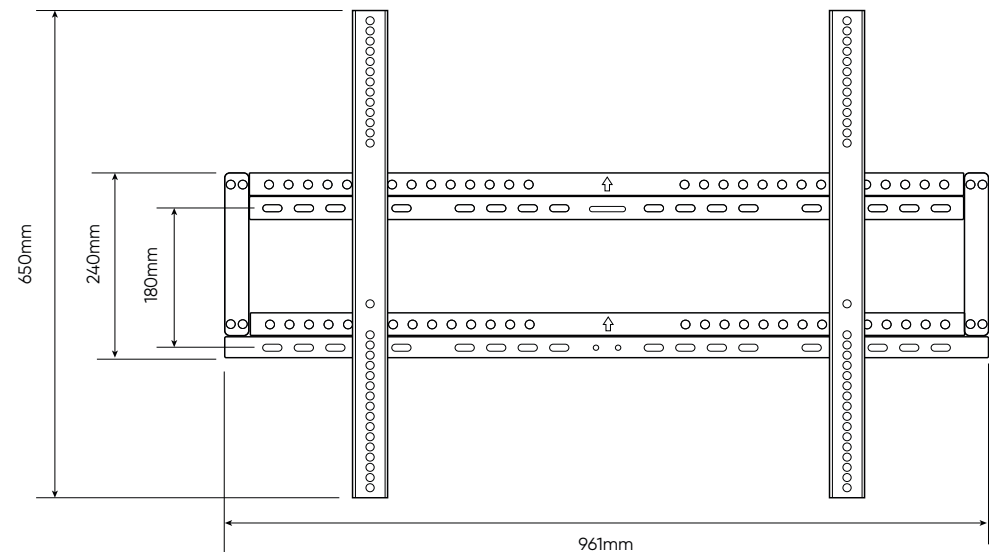MULTITOUCH SOLUTIONS

For more exciting multitouch products visit
www.promultis.info
or call +44 (0) 239 251 2794

PC Module options

Model	OPS2
Operating System	Windows 10
CPU	Intel® Core™ i7-7500U Processor
Chipset	Integrated
Graphics	Integrated
Memory	8GB
Storage	128GB SSD
Wireless Data	802.11 a/b/g/n/ac, Bluetooth V4.0
LAN	10/100/1000 Mbps
Audio	High Definition 5.1 Channel Audio
I/O Ports	2 x USB 3.0 2 x USB 2.0 1 x HDMI 1 x RJ45 LAN 2 x Audio Jack(s) (Line OUT/Mic)
Dimensions	180mm(L) x 119mm(W) x 30mm(H)
Weight	1 Kg

Supplied Mounting Bracket

Width	Height	Depth	Weight
960 mm	240 mm	29.4 mm	8kg
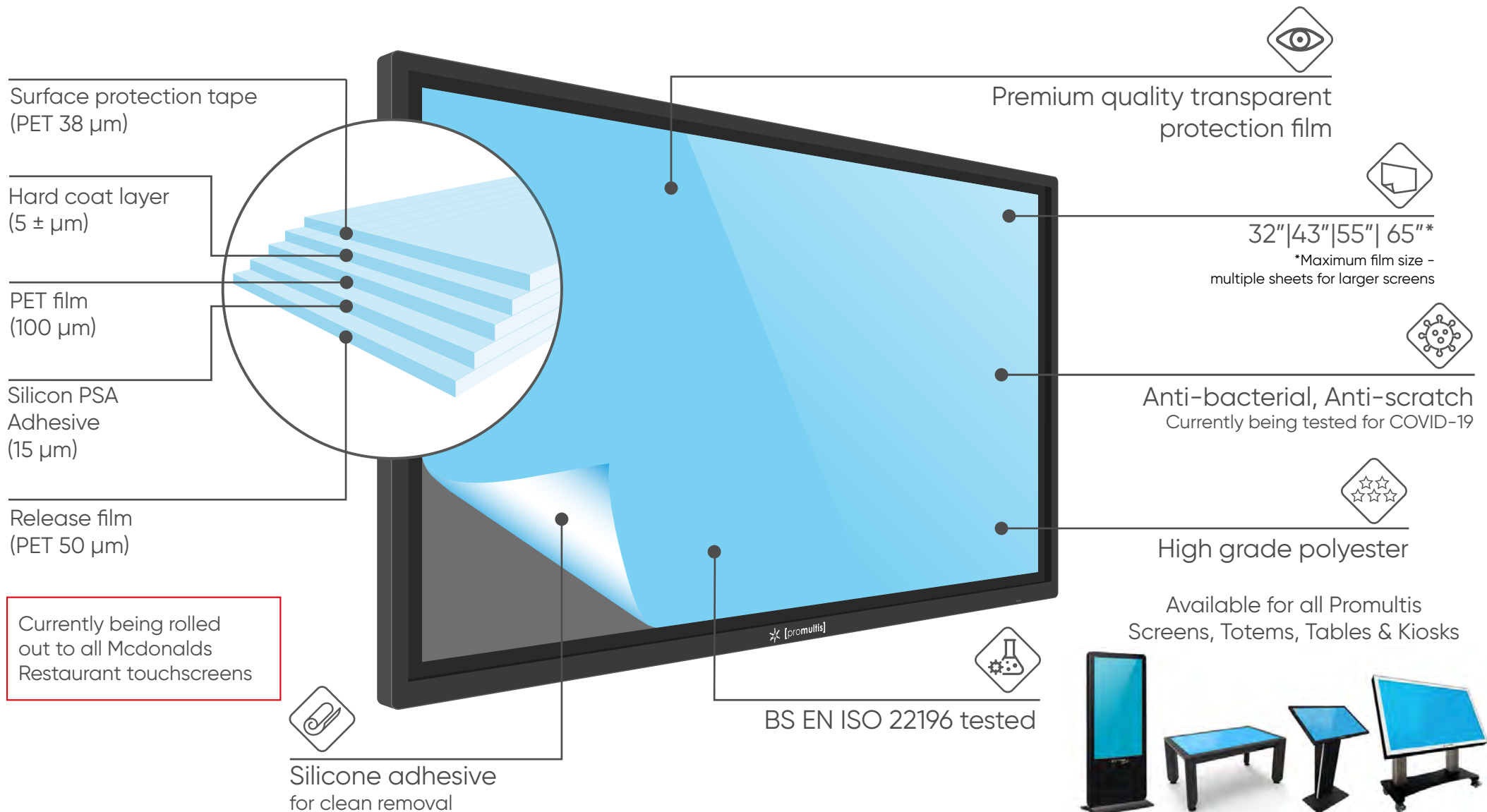
For more exciting multitouch products visit
www.promultis.info
or call +44 (0) 239 251 2794

[promultis]
MULTITOUCH SOLUTIONS

Surface protection tape
(PET 38 µm)

Hard coat layer
(5 ± µm)

PET film
(100 µm)

Silicon PSA
Adhesive
(15 µm)

Release film
(PET 50 µm)

Currently being rolled
out to all Mcdonalds
Restaurant touchscreens

Silicone adhesive
for clean removal

Premium quality transparent
protection film

32"|43"|55"| 65"*
*Maximum film size -
multiple sheets for larger screens

Anti-bacterial, Anti-scratch
Currently being tested for COVID-19

High grade polyester

Available for all Promultis
Screens, Totems, Tables & Kiosks

BS EN ISO 22196 tested

[promultis]
MULTITOUCH SOLUTIONS

For more exciting multitouch products visit
www.promultis.info
or call +44 (0) 239 251 2794

1959.5mm

1917.4mm

1088.1mm

1140.2mm

89.3mm

56.5mm

28.3mm

250.1mm

600mm

290.1mm

579.8mm

800mm

579.8mm

[promultis]
MULTITOUCH SOLUTIONS

For more exciting multitouch products visit
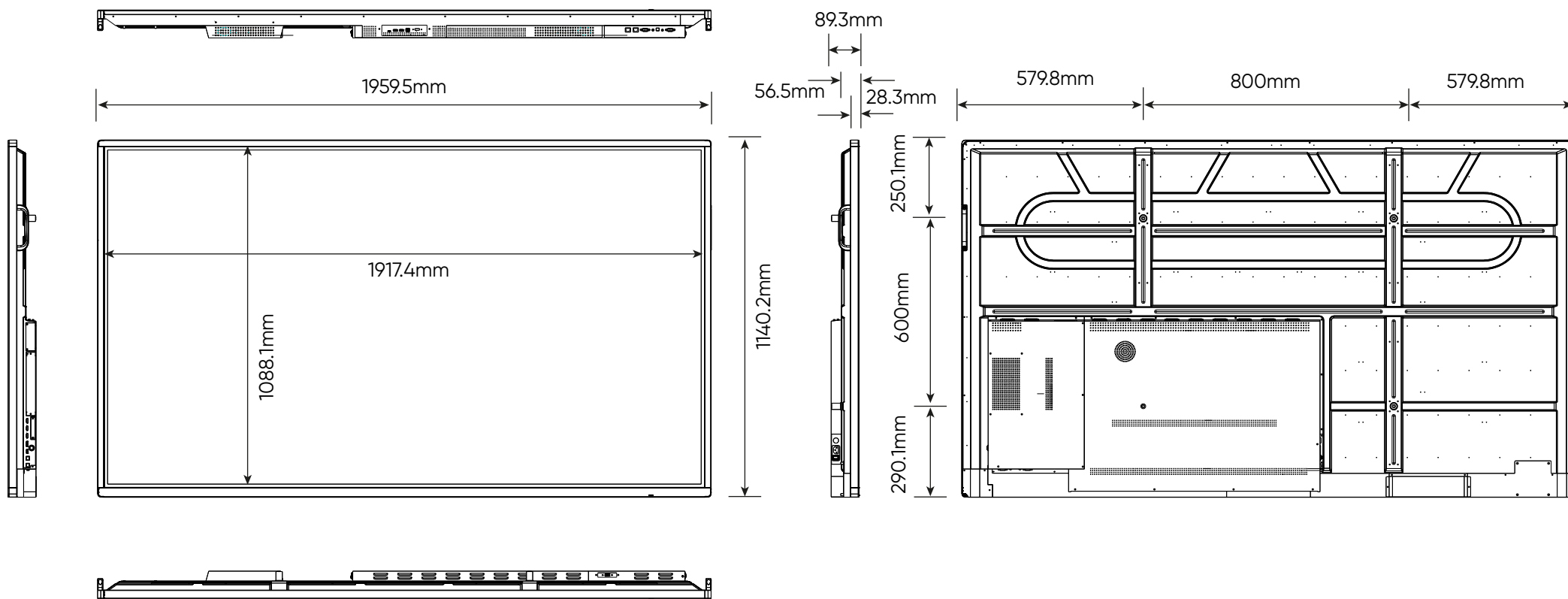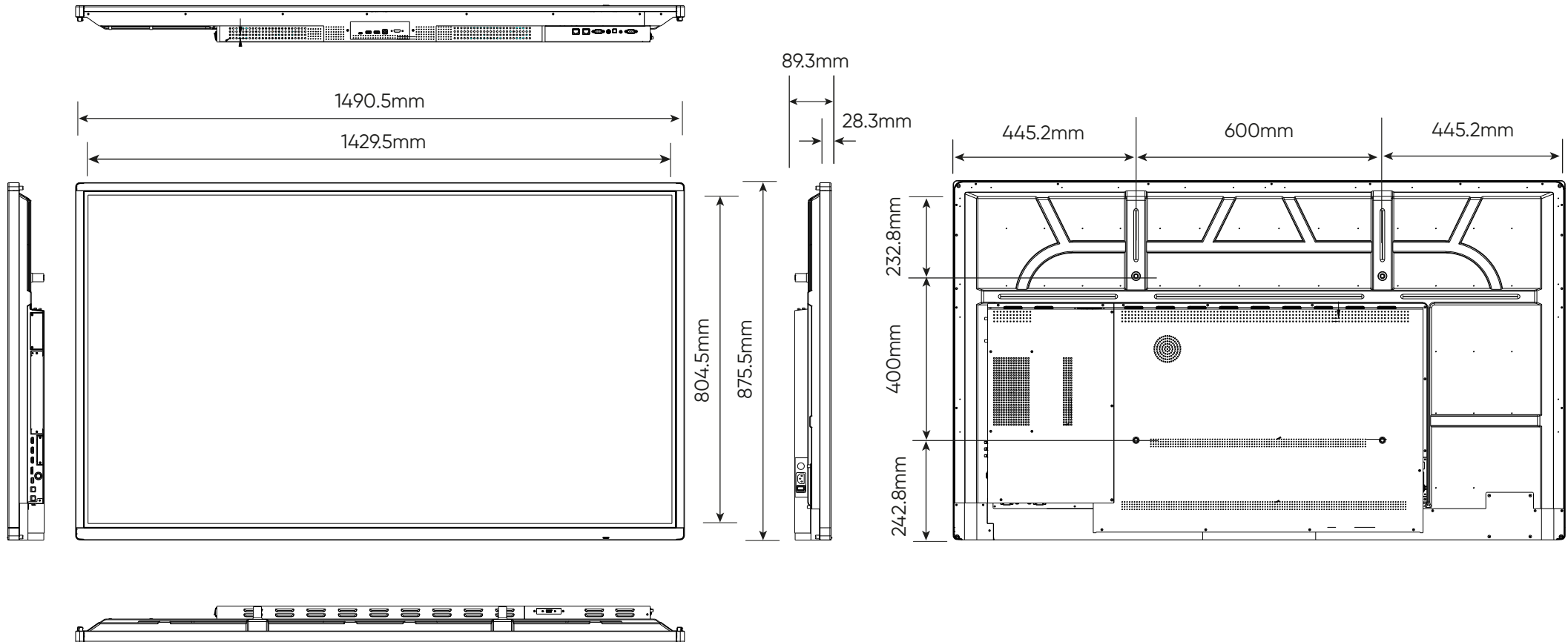www.promultis.info
or call +44 (0) 239 251 2794

1490.5mm

1429.5mm

804.5mm

875.5mm

89.3mm

28.3mm

445.2mm

600mm

445.2mm

232.8mm

400mm

242.8mm

Note: Product design specifications including dimensions are subject to change without notice and may vary from those shown.

[pro**multis**]
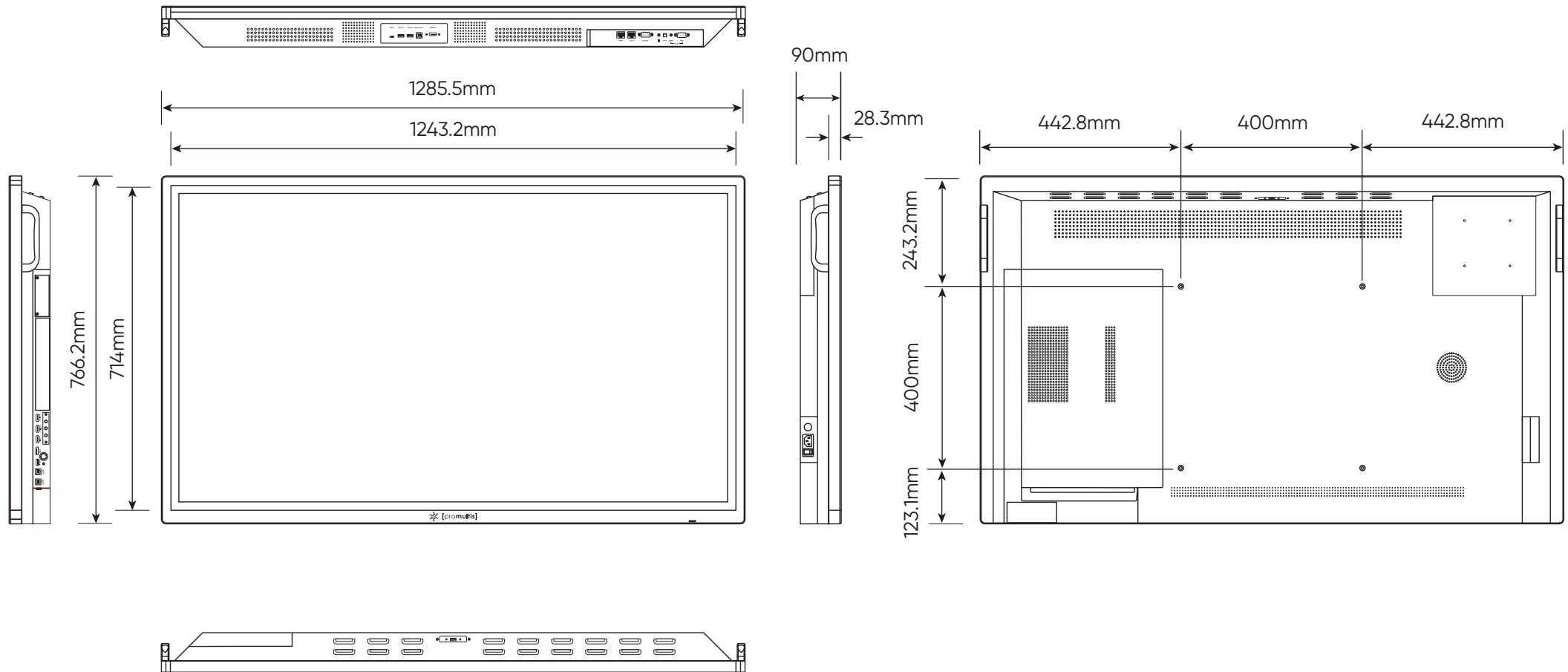MULTITOUCH SOLUTIONS

For more exciting multitouch products visit
www.promultis.info
or call +44 (0) 239 251 2794

1285.5mm
1243.2mm
90mm
28.3mm
442.8mm
400mm
442.8mm
766.2mm
714mm
243.2mm
400mm
123.1mm

Note: Product design specifications including dimensions are subject to change without notice and may vary from those shown.

[promultis]
MULTITOUCH SOLUTIONS

For more exciting multitouch products visit
www.promultis.info
or call +44 (0) 239 251 2794