

BUZZ IN-WALL Technical Specifications



- 42" Full HD Touch Display and optional additional display same size mounted wall recessed
- Up to six viewing displays, thereof up to four touch displays, can be connected to the Buzz while simultaneously operated

ELECTRICAL REQUIREMENTS

Power Input:	100-240V; 50/60Hz
Power Consumption:	
Touch Display (incl. Transfer Lines and Feature Panel)	max. 186W
Computer (incl. Transfer lines)	max. 700W
Power supply for Transfer lines:	10x 5VDC

OPERATING, STORAGE AND TRANSPORT REQUIREMENTS

Temperature:	
Operation	10°C to 35°C [50°F to 95°F]
Storage	-10°C to 45°C [14°F to 113°F]
Humidity:	
Operation	30% to 75% (non condensing)
Storage	10% to 90% (non condensing)
Pressure:	
Operation/Storage	700 hPa to 1060 hPa
MR conditional:	No (no installation in MR scanner room)

INGRESS PROTECTION (IP)

In-Wall Display (incl. USB/Power/Microphone): IP 44

Computer: IP 20

IP2x= protection against medium foreign bodies (e.g. finger), IPx0= no water protection

IP4x=protection against foreign grains >1mm (tools, wires), IPx4=protection against splash water

TOUCH DISPLAY AND FEATURE PANEL

Panel Size:	42"
Resolution:	Full HD (1920x1080)
Technology:	LCD panel (IPS panel with Edge-LED backlight)
Touch Screen:	P-cap based multi-touch (10 touch inputs)
White Luminance:	450cd/m ²
Viewing Angle:	178° horizontal, 178° vertical
Contrast Ratio:	Type 1300:1
Color Depth:	8bit, 1.07 Billion colors
DICOM:	DICOM preset
Glass:	Tempered safety glass with antireflection
I/O connections:	2x USB 2.0
Audio Control:	Volume control via software/audio device
Speaker/Camera/Microphone:	Integrated in Feature Panel (main display)
Camera:	Records HD images min. 1280x720 pixels, HD stream in 30fps.
Speaker:	Volume max. 80dB
WLAN:	802.11 a/b/g/n, can be disabled

COMPUTER

Processor:

Type	Intel Xeon E5-1650v3
Base Frequency/ Turbo Frequency	3.5 GHz / 3.8 GHz
Cores/ Cache	6 / 15MB

RAM Type/ Capacity:

DDR4 / 16GB

Secondary Storage Type/ Capacity:

SSD / 256 GB

Optical Disc Drive:

CD/DVD writer

Operating System:

Windows 10 64-bit IoT Enterprise 2015 LTSC

Graphics:

Type	2x Nvidia Quadro K2200
Frequency	1124 MHz
GPU RAM	4x4 GB

I/O Connections:

LAN	4x LAN 10/100/1000
USB	8x USB 2.0, 4x USB 3.0

Video Output (incl. Main display):

4x UHD DisplayPort, 2x FullHD DVI-I

Video Input:

1x S-Video, 1x Composite, 2x HD-SDI, 2x DVI-I
All six video signals can be displayed simultaneously

Mounting options:

Fiber cable up to 100m between display and computer

Audio:

Line-Out / Line-In / Microphone-In

Power Supply for Transfer Lines:

10x 5VDC

TRANSFER LINE BOX (from Computer to Touch Display)

Type of transmission:	Fiber Optic Transfer Lines and Ethernet cable
Transmission Distance:	100 m (3937 inch)
Signal Type:	Display Port, USB
Mounting:	On display backside

CLEANABILITY

DISINFECTANT TYPE	EXAMPLE
Alcohol-based	Meliseptol, Mikrozyd AF Liquid
Alkylamine-based	Incidin Plus 2%
Active oxygen-based	Perform
Aldehyde/ chloride-based	Antiseptica Combi

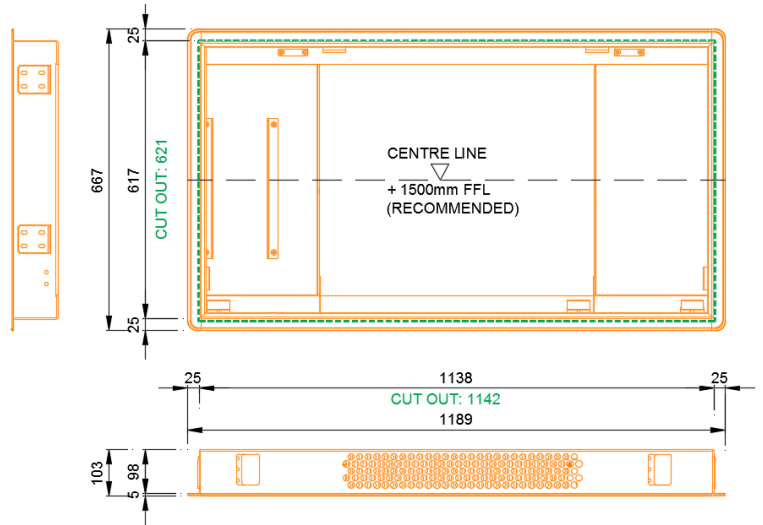
CERTIFICATION AND CLASSIFICATION

- ETL (Intertek)
- IEC 60601-1:2005 + Cor.:2006 + Cor.:2007 + A1:2012 (Ed. 3.1)
- AAMI ANSI IEC 60601-1-2:2007/(R)2012
- CSA C22.2#60601-1 Issued: 2008/02/01 Ed:2
- EN 60601-1-2:2007 + AC:2010
- IEC 60601-1-2: 2014 (Edition 4.0)
- Included in: IEC 60601-1-2: 2014 (Edition 4.0), no separate certificate required for Japan
- CE, RoHS, REACH, WEEE, POP

DIMENSIONS

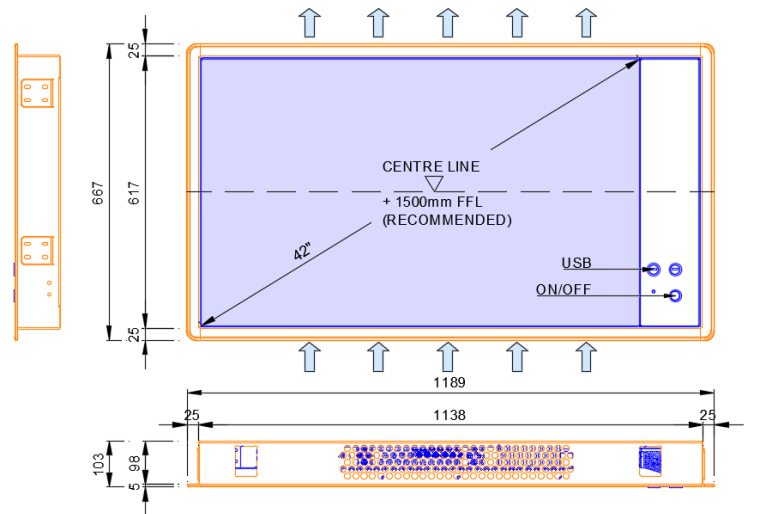
WALL CUT OUT

Height: 621 mm (24.45 inch)
 Width: 1142 mm (45 inch)
 Depth total: 98 mm (3.86 inch)



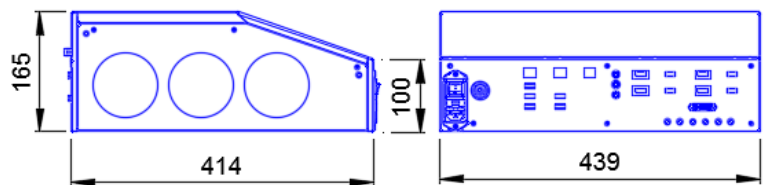
MAIN DISPLAY WITH FEATURE PANEL

Height: 667 mm (26.26 inch)
 Width: 1189 mm (46.81 inch)
 Depth total: 103 mm (4.06 inch)
 Weight total: 34 kg (74.96 lbs)



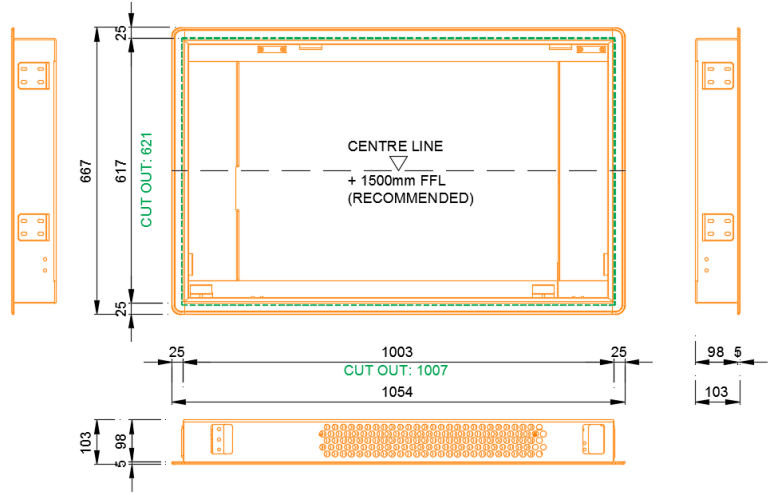
COMPUTER VERTICAL PLACEMENT

Width: 439 mm (17.28 inch)
 Height: 165 mm (6.5 inch)
 Depth total: 414 mm (16.3 inch)
 Weight total: 16.5 kg (36.38 lbs)



WALL CUT OUT ADDITIONAL DISPLAY IN-WALL

Height: 621 mm (24.45 inch)
 Width: 1007 mm (39.65 inch)
 Depth total: 98 mm (3.86 inch)



ADDITIONAL DISPLAY IN-WALL

Height: 667 mm (26.26 inch)
 Width: 1054 mm (41.5 inch)
 Depth total: 103 mm (4.06 inch)
 Weight total: 30.2 kg (66.58 lbs)

