

IFX+ Series

Interactive Flat Panel Displays
2022-2023



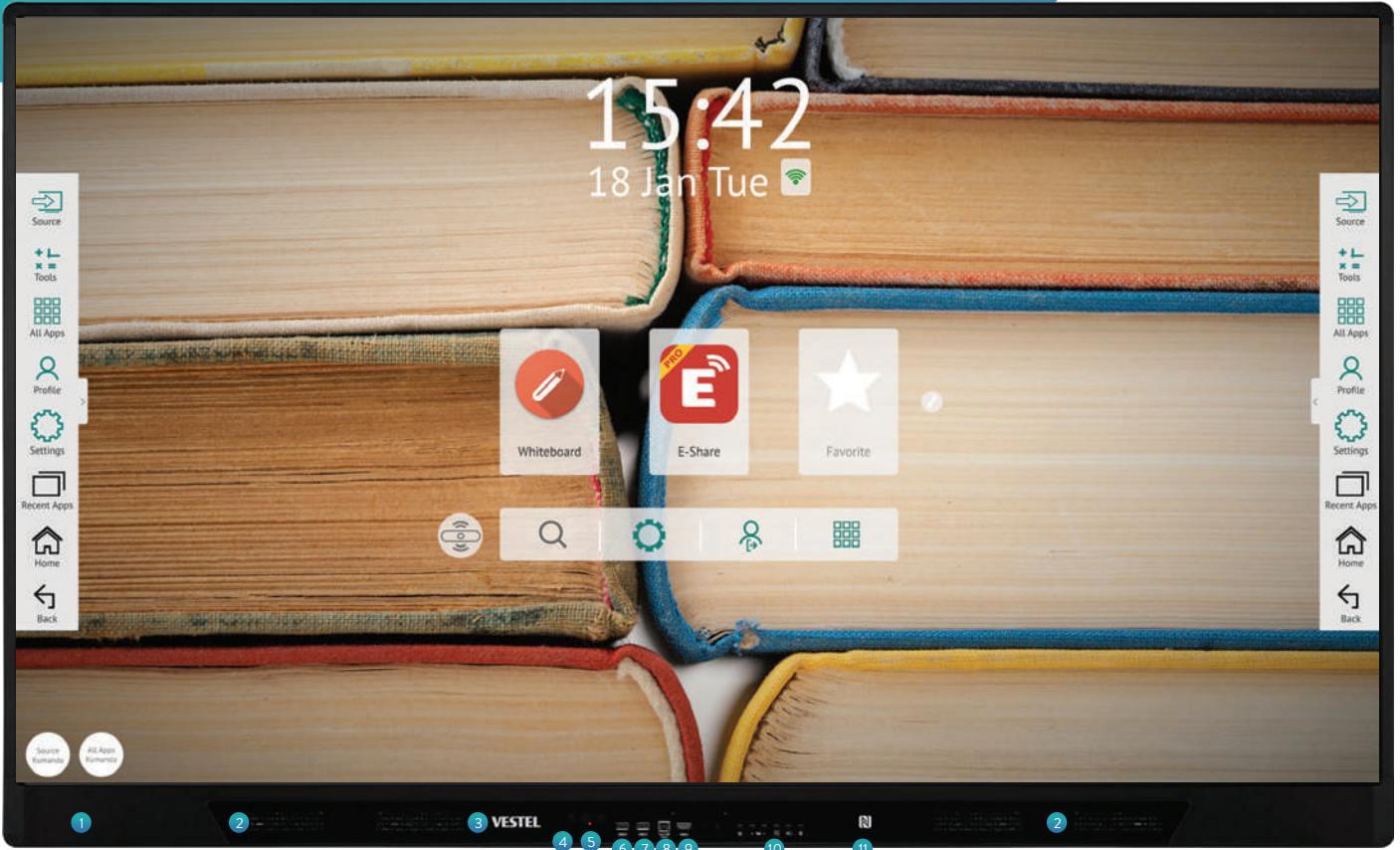
VESTEL

www.vestelvisualsolutions.com

IFX+ Series

IFX Series Overview

Our latest IFX Plus Series displays(65", 75", 86")helps instructors to create an engaging and responsive learning environment, offering fast response touch screen technology with front accessibility module with front speakers, front input/outputs, far field microphone, embedded proximity sensor, and NFC reader. The series is also equipped with scratch resistant 4 mm ant glare tempered glass and IR 20-point touch points.



- 1 Magnetic pen holders
- 2 Front Facing speakers
- 3 Logo*
- 4 Mic*
- 5 IR Receiver

- 6 USB 2.0
- 7 USB 3.0
- 8 USB Type B
- 9 HDMI
- 10 Control Buttons
- 11 NFC Support*

*optional



Multiple Display Sizes



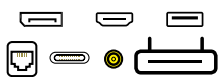
Anti-Glare Tempered Glass



Slim Bezel / Seamless Touch Depth



Impressive 4K Performance



A Great Many Rear I/O Ports Available



Improved Fluent 20pt Touch Experience



WiFi/BT

Features



Display Features



Flicker free

Impressive 4K Performance

Exceptional viewing creates superior picture quality with 4K resolution and 178-degree viewing angle.



Anti-glare glass

Eye-care Solution

Designed to reduce eye strain with flicker-free screen@ at maximum brightness level.



Anti-shatter toughened glass

Anti Glare Tempered Glass

The anti-glare coating prevents excessive light reflection and provides a smooth touch performance. Toughened glass is incorporated into the robust design of the display to avoid accidental damage to the screen.

SoC Features

Equipped with powerful CPU/GPU and high memory configuration, IFX series runs all the applications smoothly.



Customized Android 9 OS



Quad Core CPU



Enhanced Graphics



4 GB DDR4 Options



64 GB eMMC Options



WiFi 5 Gbit Eth BT 5.0

Features



Touch Features

Improved Fluent Touch Experience

Incorporating the latest 20 point IR Touch technology with faster response, IFX+ range is designed to allow multiple users to interact simultaneously.

Smooth Touch Support

Super-smooth surface of IFX+ allows for highly precise and user-friendly writing experience.



20-point touch



High precision touch



Super glide surface



Palm erase



Connectivity

IFX+ Series includes many ports to cover the highest requirements.

In addition to easily accessible front ports, IFX+ Series is equipped with embedded Wi-Fi and BT modules and many rear I/O ports.

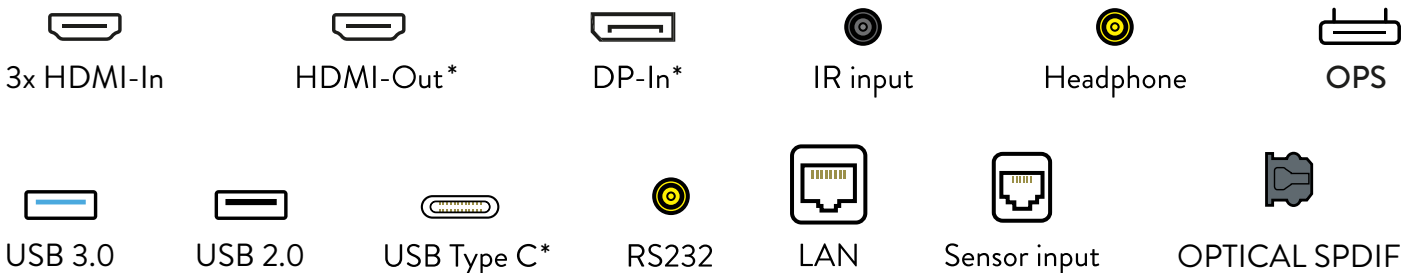
- 3 x HDMI2.0
- 1 x USB-A (2.0)
- 1 x USB-A (3.0)
- 1 x USB-C (3.0)
- 1 x MicroSD
- 1 x OPS Slot
- 1 x LAN
- 1 x Gigabit LAN
- and more

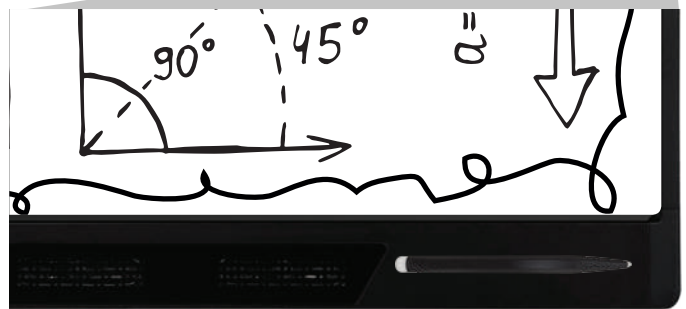
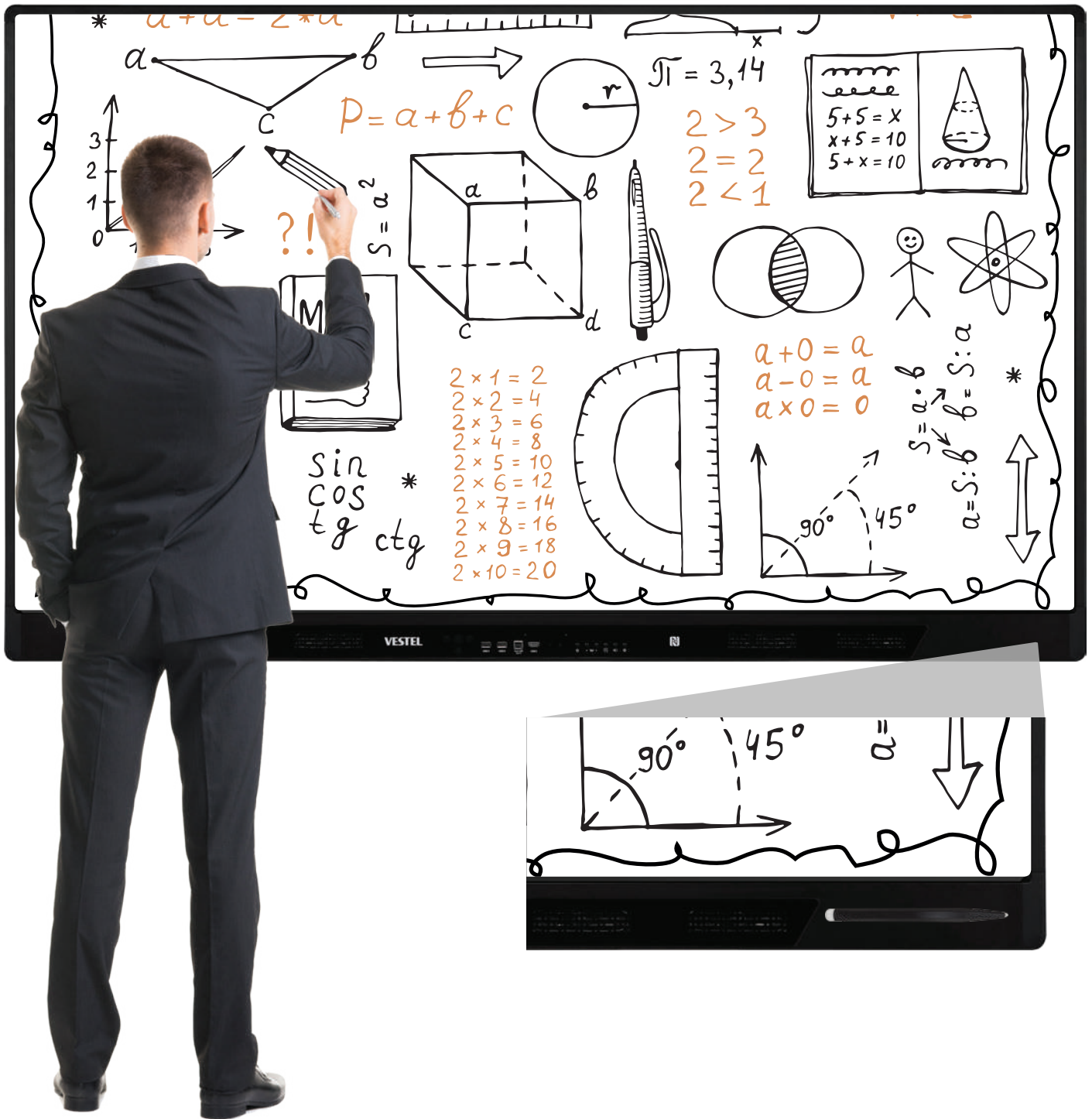
USB Type-C

USB Type-C (3.0) can transfer 4K video and data whilst powering/ charging mobile devices.

OPS Slot

IFX+ Series is compatible with OPS standard. Adding extra Windows PC on OPS slot enhances processing capabilities of the display.





Natural Writing Experience

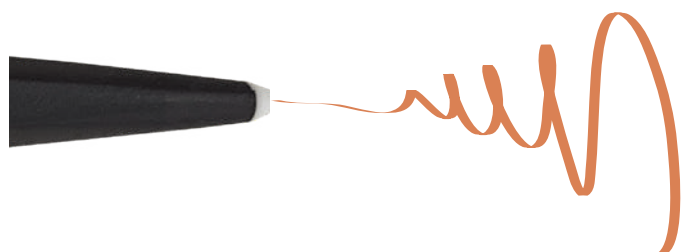
Professional Pen Design

Passive magnetic pen with 2 different tip sizes can be assigned to different colors automatically.



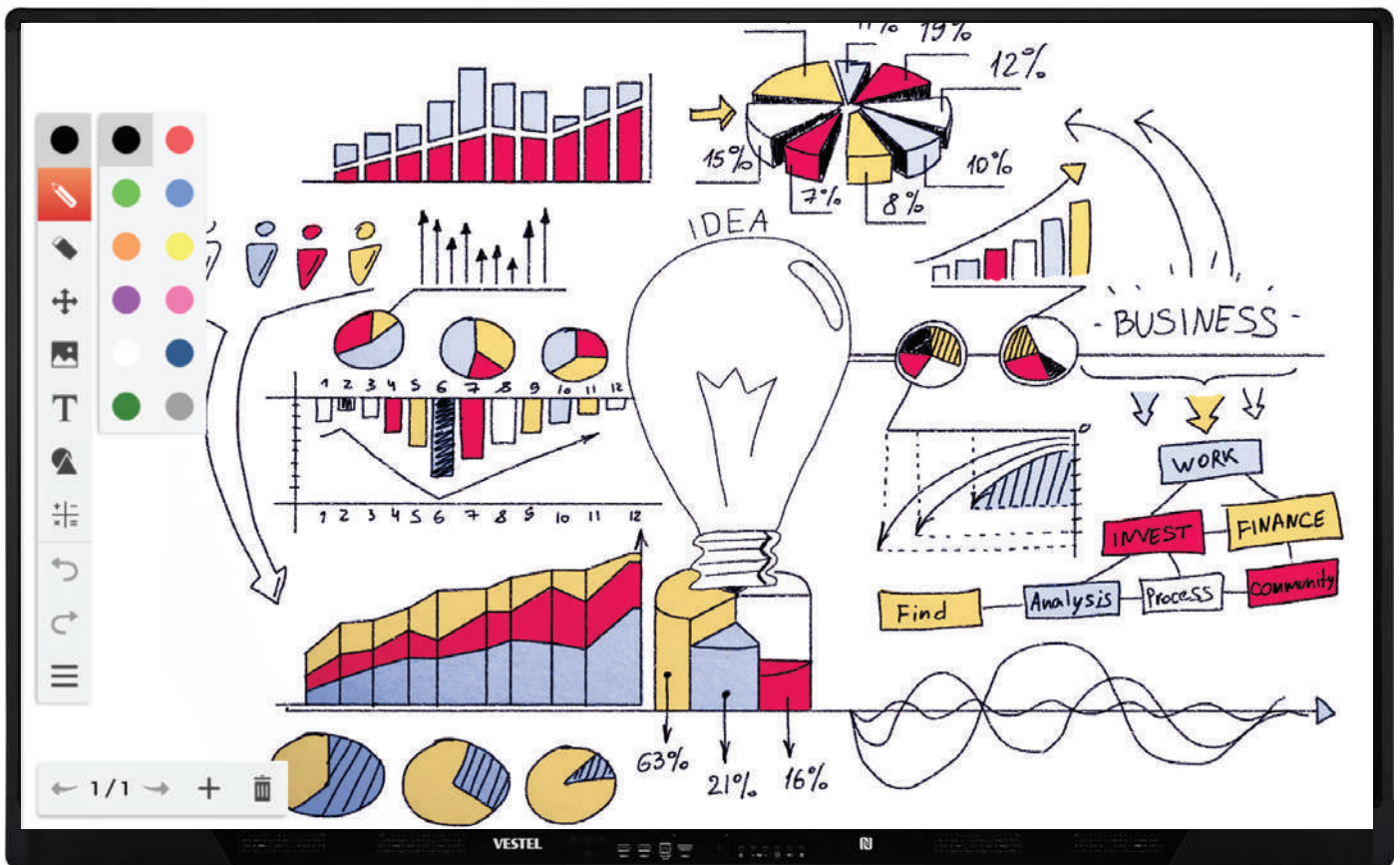
Smooth Dual Pen

Whiteboard with dual-pen feature auto-recognize the color and pen thickness separately.



Array of Android Applications Delivers Different Ways of Student Engagement

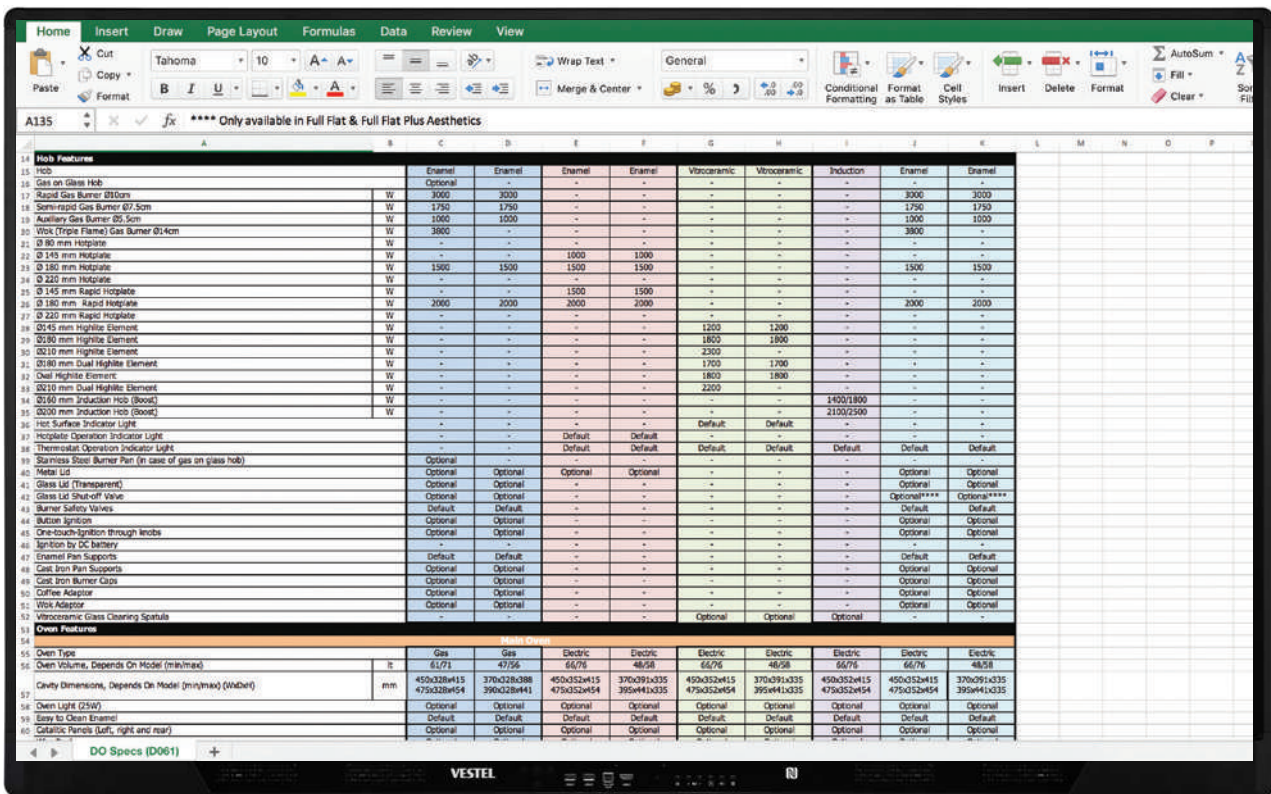
The series offers built-in Android 9 with adaptable user interface that covers all the fundamental features needed for teachers and students. The product has many applications such as its own annotation tool as well as Screen sharing/mirroring application, File/Cloud Manager, OfficeSuite to work on documents, Web-Browser, Video-conferencing and Account Management System.



Whiteboard Application for Flawless Teaching Experience

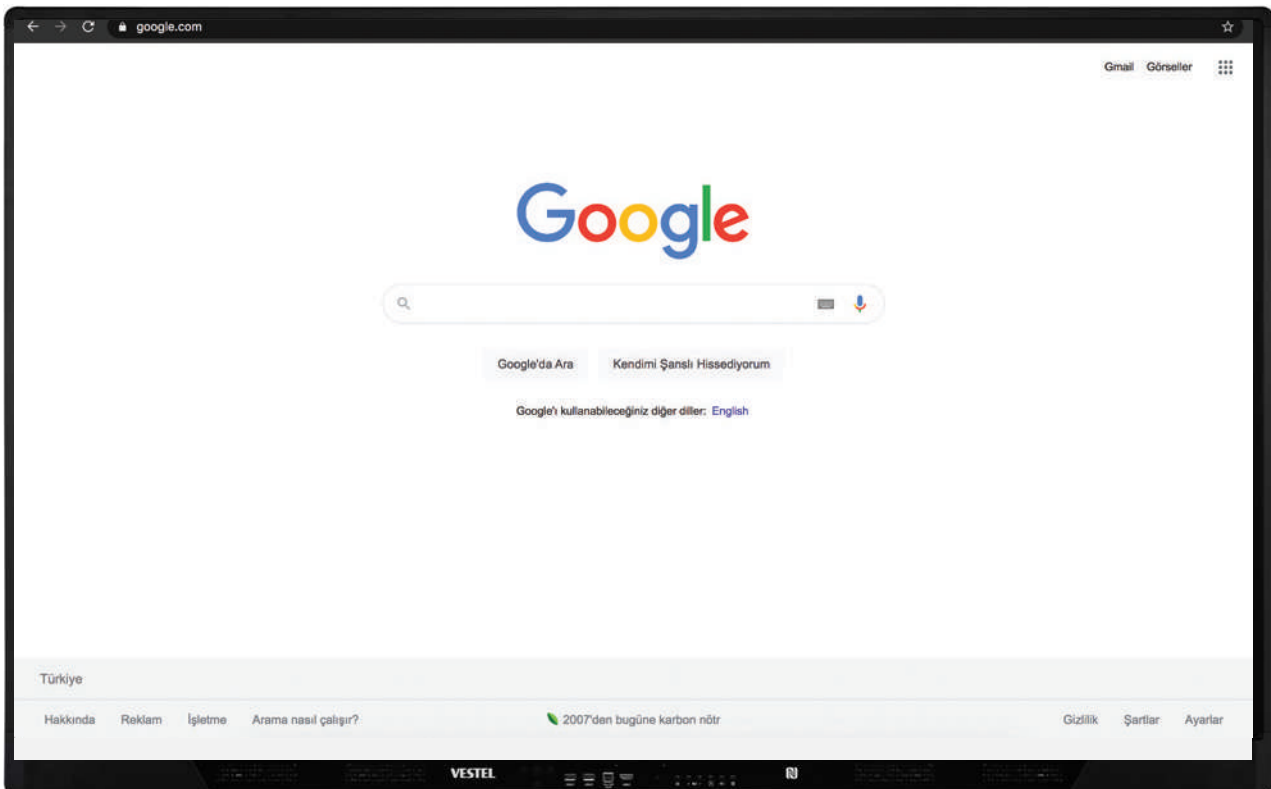
The new IFX+ Series offers a compact whiteboard application design for teachers with the required tools to annotate, draw or highlight using 2 different tip sizes with auto-recognition, add texts and media to work on during classes. Whiteboard application can quickly open any cropped screenshots with any annotation done over any source.

Latest features also include infinite canvas, background templates and QR/Email sharing.



Open/Edit Documents with OfficeSuite

OfficeSuite application lets users open, edit, and write into any document, spreadsheet, and presentation. With cloud access, users will have the freedom to access their personal documents easily across their accounts.



Internet Browser to Access Internet Content for Classroom

Using Vewd as the embedded internet browser, the new IFX+ Series is able to access the internet and with the help of the quick palette, teachers will be able to annotate the content and take screenshots and work on them for more effective learning.



Quick Tools and Settings

The usage of IFX+ Series becomes more efficient and easy, with the new quick tools (Calculator, Chronometer, Timer, Screen Capture, and Crop) and quick settings (volume/brightness settings, Screen Lock, NFC Settings, and more) for teachers.

Enhanced User Experience

The new IFX+ Series creates a tailored teaching experience while offering a unified Navigation Toolbar. New User Interface unites all the necessary tools for teachers to shape the classroom environment.



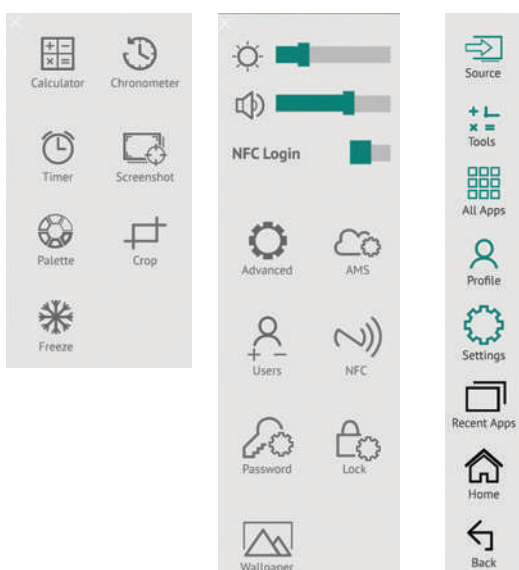
Flexible Pen Usage on Any Content

The newly introduced Quick Palette tool provides teachers with the needed tools to annotate on any classroom content and/or any Source. Quick Palette tools include features such as pen and highlighter, screenshot, and screen-crop.



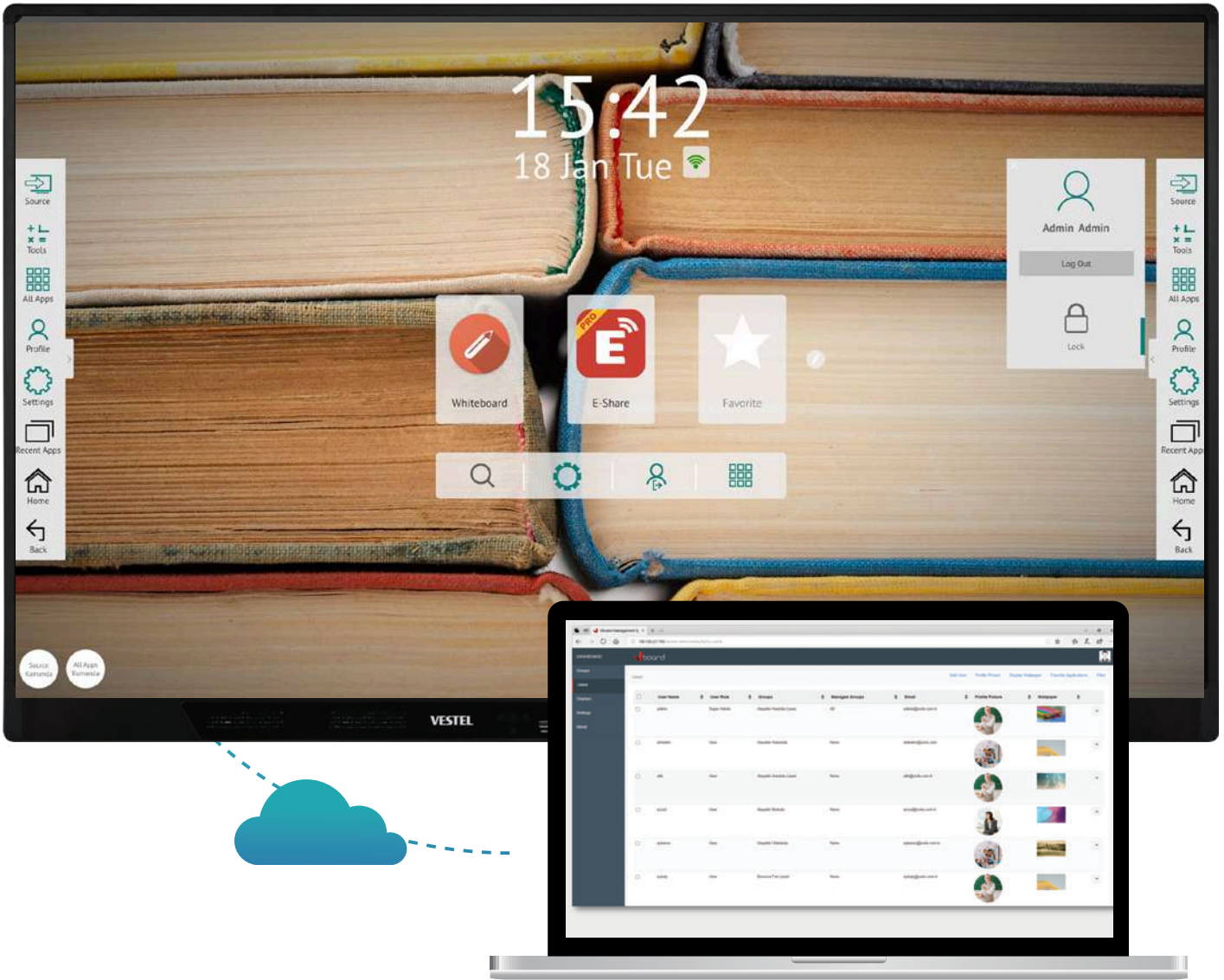
Everything You Need is Within Reach

The new IFX+ Series has front access ports which ease the operation. The USB ports can be used for the prepared ready documents. In addition, the teachers can connect their own laptops through HDMI port. Furthermore, a touch USB port is available for an external PC usage. Front buttons grant the ability to control the display in the easiest way possible.



Powerful Speakers

2x20W front-facing speakers can easily be effective even in the largest classrooms without any need to add external speakers.



Profile Management for Customization and Security

One of the prominent features of the new IFX+ series is the profile management system. Users are allowed to use the display only after they are logged in using their identified PINs. The cloud-based Vestel Board Management system can be used by IT managers to set up teacher profiles securely:



- ✓ User/Password creation
- ✓ NFC ID settings
- ✓ UI Customization for background and profile images
- ✓ Favorite Apps selection for users
- ✓ Display and Group management
- ✓ Device control with commands
- ✓ Cloud file management



Wireless Screen Sharing

Empowers users to share any external content without any cables.

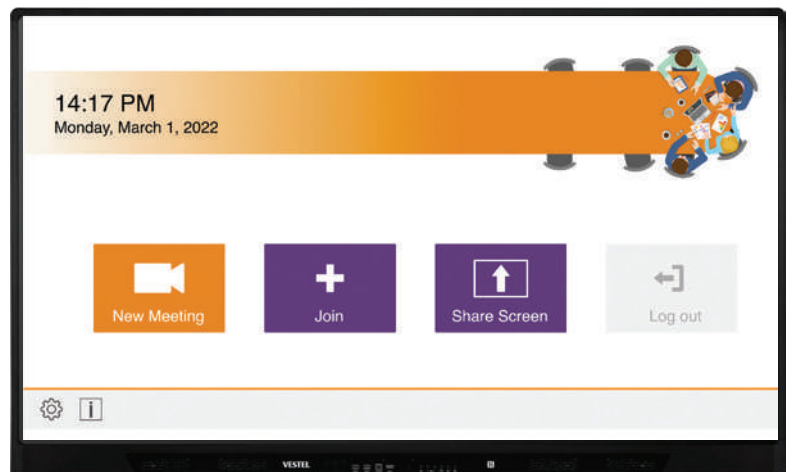
Utilizing embedded Wi-Fi technology the new IFX+ Series provides Eshare application, multi-screen interactive screensharing tool.

Using only QR codes, users can connect to the display by any device (Windows, Android, MacOS, iOS, Chrome), create Multiscreen experience, and annotate on the display wirelessly.



Distance Learning

With Vmeet, IFX+ series can create meetings, join the meetings and share the educational material to any student. Addition of distance learning solution facilitates the teacher's reach to the students outside the class.



Specifications

IFX654-4P

Display	
Screen Size	65"
Backlight Type	Direct-Type LED
Brightness (Nits)	350 cd/m ²
Native Resolution	UHD: 3840 x 2160 HDR10
Aspect Ratio	16:9
Contrast Ratio (typical)	1200:1
Dynamic Contrast Ratio	35000:1
Life Time (typical)	50000 Hrs
Response Time (typical)	8 ms
Active Area (H x V)	1428 x 803 mm
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10
Color Value	1.07 B (10-bit)
Haze Level	8%
Refresh Rate	60 Hz
Glass Type	4 mm Tempered, Anti-Glare
Glass Hardness	8 Mohs
Built-in System	
Mainboard Model	MB400VS
Operating System	Customized Android Pie 9.0
CPU	CA55 Quad core
GPU	Mali-G31 MP2
Storage	64 GB EMMC
Memory	4 GB DDR4
Wired	10/100/1000 Mbps Ethernet
WiFi	WiFi 5 (802.11 a/b/g/n/ac)
Bluetooth	BT 5.1
Front Accessibility Interface	
Front I/Os	USB-A (2.0 / autoswitch for Android & OPS), USB-A (3.0 / autoswitch for Android & OPS), 1x USB-B (touch out), 1x HDMI2.0 Input
Console Buttons	Standby on/off, Volume up, Volume down, Touch enable/disable, Source Change, Settings
IR Receiver	Fixed on bezel
Audio	2x20 W - Front Facing Speakers
Pen Holder	Integrated Magnetic Tray
Rear Connections / Interface	
AV Inputs	2 x HDMI2.0 (HDCP2.2), 1 x HDMI2.0 (Daisychain Input), MicroSD (up to 1TB), OPS Interface
AV Outputs	1 x HDMI2.0 (Daisychain Output), Headphone(Line-out), Optic SPDIF
USB Ports	1 x USB-A (2.0), 1 x USB-A (3.0), 1 x USB-C (3.0)
Rear Type-C Features	Data transfer: USB3.0, Charging capability: 15W, DP alternate mode: 4K video stream
LAN / Control Interface	RJ45 (LAN & Control), 3.5mm jack(RS232 Control), 2 x RJ12 (Sensor Box & service input)
Connector Configurations	Side: HDMI / Headphone / OPS Interface, Bottom: USB / RJ45 / RS232 / MicroSD, Back: RJ12 / SPDIF
User Experience	
Home Page	Personalized Background, Home buttons, Navigation bar, Quick Palette
Launcher	All Apps, Profile Login/Logout, Quick Settings, Tools, Source Change
Applications	Whiteboard, ScreenShare, Web browser, File Manager, Media Player, Officesuite, AquaMail, CloudFileManager
Board Management System	Cloud System for User Account Management
Others	Over-the-Air SW Update, Screen Freeze, Screen Lock, Dual Pen Recognition, Palm Erase, Annotate over Any Source
Touch Interactivity	
Type of Touch Technology	Infrared (IR) Technology
Continuous Touch Points	Max. 20 touch points* *Bounded by application's limits
Touch Resolution	32768 x 32768 px
Sensitivity	Any touch with finger, gloved hand or pointer
Compatibility	Windows®7, Windows®8, Windows®10, Vista, XP, Mac® OS, Linux, Android
Response Time	< 5 ms
Touch Accuracy	+/- 1 mm (over 90% area)
Pen Type	Battery-less Pen
Pen Identities	2
Object Sizes for Touch	2.8 & 10 mm
Mechanical	
Product Dimensions (WxDxH)	1497 x 930 x 113 mm
Package Dimensions (WxDxH)	1756 x 1100 x 265 mm
Product Weight	43.75 kg
Package Weight	56.75 kg
Vesa Mounting	400 x 400 mm - M6
Bezel Width	B:66 T:15 L/R:15 mm
Environmental Conditions	
Operating Temperature	+40°C / 0°C
Operating Humidity	90%
Power	
Power Supply	110 VAC - 240 VAC
Power Consumption	
Typical	194 W
Maximum	220 W
Features	
Mechanical Features	Slim Bezel, User-Friendly Front Ports and Buttons, Detachable power cable, Carrying handles
Certification	
Safety	YES
EMC	YES
CE	YES

Specifications

IFX754-4P

Display	
Screen Size	75"
Backlight Type	Direct-Type LED
Brightness (typical)	400 cd/m ²
Native Resolution	UHD: 3840 x 2160 HDR10
Aspect Ratio	16:9
Contrast Ratio (typical)	1200:1
Dynamic Contrast Ratio	40000:1
Life Time (typical)	50000 Hrs
Response Time (typical)	8 ms
Active Area (H x V)	1650 x 928 mm
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10
Color Value	1.07 B (10-bit)
Haze Level	8%
Refresh Rate	60 Hz
Glass Type	4 mm Tempered Anti-Glare
Glass Hardness	8 Mohs
Built-in System	
Mainboard Model	MB400VS
Operating System	Customized Android Pie 9.0
CPU	CAS5 Quad core
GPU	Mali-G31 MP2
Storage	64 GB EMMC
Memory	4 GB DDR4
Wired	10/100/1000 Mbps Ethernet
WiFi	WiFi 5 (802.11 a/b/g/n/ac)
Bluetooth	BT 5.1
Front Accessibility Interface	
Front I/Os	USB-A (2.0 / autoswitch for Android & OPS), USB-A (3.0 / autoswitch for Android & OPS), 1x USB-B (touch out), 1x HDMI2.0 Input
Console Buttons	Standby on/off, Volume up, Volume down, Touch enable/disable, Source Change, Settings
IR Receiver	Fixed on bezel
Audio	2x20 W - Front Facing Speakers
Pen Holder	Integrated Magnetic Tray
Rear Connections / Interface	
AV Inputs	2 x HDMI2.0 (HDCP2.2), 1 x HDMI2.0 (Daisychain Input), MicroSD (up to 1TB), OPS Interface
AV Outputs	1 x HDMI2.0 (Daisychain Output), Headphone(Line-out), Optic SPDIF
USB Ports	1 x USB-A (2.0), 1 x USB-A (3.0), 1 x USB-C (3.0)
Rear Type-C Features	Data transfer: USB3.0, Charging capability: 15W, DP alternate mode: 4K video stream
LAN / Control Interface	RJ45 (LAN & Control), 3.5mm jack(RS232 Control), 2 x RJ12 (Sensor Box & service input)
Connector Configurations	Side: HDMI / Headphone / OPS Interface, Bottom: USB / RJ45 / RS232 / MicroSD, Back: RJ12 / SPDIF
User Experience	
Home Page	Personalized Background, Home buttons, Navigation bar, Quick Palette
Launcher	All Apps, Profile Login/Logout, Quick Settings, Tools, Source Change
Applications	Whiteboard, ScreenShare, Web browser, File Manager, Media Player, Officesuite, AquaMail, CloudFileManager
Board Management System	Cloud System for User Account Management
Others	Over-the-Air SW Update, Screen Freeze, Screen Lock, Dual Pen Recognition, Palm Erase, Annotate over Any Source
Touch Interactivity	
Type of Touch Technology	Infrared (IR) Technology
Continuous Touch Points	Max. 20 touch points* *Bounded by application's limits
Touch Resolution	32768 x 32768 px
Sensitivity	Any touch with finger, gloved hand or pointer
Compatibility	Windows®7, Windows®8, Windows®10, Vista, XP, Mac® OS, Linux, Android
Response Time	< 5 ms
Touch Accuracy	+/- 1 mm (over 90% area)
Pen Type	Battery-less Pen
Pen Identities	2
Object Sizes for Touch	2.8 & 10 mm
Mechanical	
Product Dimensions (WxDxH)	1721 x 1056 x 113 mm
Package Dimensions (WxDxH)	1990 x 1227 x 265 mm
Product Weight	58.75 kg
Package Weight	70.75 kg
Vesa Mounting	600 x 400 mm - M8
Bezel Width	B:66 T:15 L/R:15 mm
Environmental Conditions	
Operating Temperature	+40°C / 0°C
Operating Humidity	90%
Power	
Power Supply	110 VAC - 240 VAC
Power Consumption	
Typical	240 W
Maximum	320 W
Deep Standby	<0.5
Certification	
Safety	YES
EMC	YES
CE	YES

Technical Data and Specifications

IFX864-4P

Display	
Screen Size	86"
Backlight Type	Direct-Type LED
Brightness (Nits)	400 cd/m ²
Native Resolution	UHD: 3840 x 2160, HDR10
Aspect Ratio	16:9
Contrast Ratio (typical)	1200:1
Dynamic Contrast Ratio	40000:1
Life Time (typical)	50000 Hrs
Response Time (typical)	8 ms
Active Area (H x V)	1895 x 1066 mm
Viewing Angle	178° Vert., 178° Hor., (89U/89D/89L/89R) @ CR>10
Color Value	1.07 B (10-bit)
Haze Level	8%
Refresh Rate	60 Hz
Glass Type	4 mm Tempered, Anti-Glare
Glass Hardness	8 Mohs
Built-in System	
Mainboard Model	MB400VS
Operating System	Customized Android Pie 9.0
CPU	CA55 Quad core
GPU	Mali-G31 MP2
Storage	64 GB EMMC
Memory	4 GB DDR4
Wired	10/100/1000 Mbps Ethernet
WiFi	WiFi 5 (802.11 a/b/g/n/ac)
Bluetooth	BT 5.1
Front Accessibility Interface	
Front I/Os	USB-A (2.0 / autoswitch for Android & OPS), USB-A (3.0 / autoswitch for Android & OPS), 1 x USB-B (touch out), 1 x HDMI2.0 Input
Console Buttons	Standby on/off, Volume up, Volume down, Touch enable/disable, Source Change, Settings
IR Receiver	Fixed on bezel
Audio	2x20 W - Front Facing Speakers
Pen Holder	Integrated Magnetic Tray
Rear Connections / Interface	
AV Inputs	2 x HDMI2.0 (HDCP2.2), 1 x HDMI2.0 (Daisychain Input), MicroSD (up to 1TB), OPS Interface
AV Outputs	1 x HDMI2.0 (Daisychain Output), Headphone(Line-out), Optic SPDIF
USB Ports	1 x USB-A (2.0), 1 x USB-A (3.0), 1 x USB-C (3.0)
Rear Type-C Features	Data transfer: USB3.0, Charging capability:15W, DP alternate mode: 4K video stream
LAN / Control Interface	RJ45 (LAN & Control), 3.5mm jack(RS232 Control), 2 x RJ12 (Sensor Box & service input)
Connector Configurations	Side: HDMI / Headphone / OPS Interface, Bottom: USB / RJ45 / RS232 / MicroSD, Back: RJ12 / SPDIF
User Experience	
Home Page	Personalized Background, Home buttons, Navigation bar, Quick Palette
Launcher	All Apps, Profile Login/Logout, Quick Settings, Tools, Source Change
Applications	Whiteboard, ScreenShare, Web browser, File Manager, Media Player, Officesuite, AquaMail, CloudFileManager
Board Management System	Connected System for User Profile Management
Others	Over-the-Air SW Update, Screen Freeze, Screen Lock, Dual Pen Recognition, Palm Erase, Annotate over Any Source
Touch Interactivity	
Type of Touch Technology	Infrared (IR) Technology
Continuous Touch Points	Max. 20 touch points*, *Bounded by application's limits
Touch Resolution	32768 x 32768 px
Sensitivity	Any touch with finger, gloved hand or pointer
Compatibility	Windows®7,Windows®8, Windows®10, Vista, XP, Mac® OS, Linux, Android
Response Time	< 5 ms
Touch Accuracy	+/- 1 mm (over 90% area)
Pen Type	Battery-less Pen
Pen Identities	2
Object Sizes for Touch	2.8 & 10 mm
Mechanical	
Product Dimensions (WxDxH)	1962 x 1184 x 97 mm
Package Dimensions (WxDxH)	2163 x 1405 x 318 mm
Product Weight	TBD
Package Weight	TBD
Vesa Mounting	600 x 400 mm - M8
Bezel Width	B:66 T:15 L/R:15 mm
Environmental Conditions	
Operating Temperature	+40°C / 0°C
Operating Humidity	90%
Power	
Power Supply	110 VAC - 240 VAC
Power Consumption	
Typical	280 W
Maximum	400 W
Deep Standby	<0.5 W
Features	
Mechanical Features	Slim Bezel, User-Friendly Front Ports and Buttons, Detachable power cable, Carrying handles
Certification	
Safety	YES
EMC	YES
CE	YES

Vestel Trade Co.

Organize Sanayi Bölgesi, 45030 Manisa/Türkiye

Phone: 90 - 236 233 25 82

Fax: 90 - 236 233 25 84

vesteltrade@vestel.com.tr

www.vestelinternational.com

Vestel Germany GmbH

Parkring 6 D-85748 Garching bei München/Germany

Phone: 49 - 89 55295 - 0

Fax: 49 - 89 55295 - 2000

info@vestel-germany.de

www.vestel-germany.de

Vestel UK Ltd

Vestel House, Waterside Drive

Langley, Berkshire SL3 6EZ

Phone: 44 - 3330 146 400

info@vestel-uk.com

www.vestel.co.uk

Vestel France SASU

17 Rue de la Couture - Parc Icade

BP 10190 - 94563 RUNGIS Cedex/France

Phone: 33 - 1 46 75 00 29

Fax: 33 - 1 41 80 99 31

info@vestel.fr

www.vestel-france.fr

Vestel Benelux B.V.

Stationsplein 45, A1-194

3013 AK Rotterdam,

The Netherlands

Phone: 31 - 10 235 1005

info@vestelbenelux.nl

www.vestelbenelux.nl

Vestel Iberia, S. L.

Paeso Doce Estrellas, 2, 3o. 28042. Madrid, Spain

Phone: 34 - 91 320 63 98

Fax: 34 - 91 320 52 58

vestel@vestel.es

www.vestel.es

Vestel CIS Ltd.

2 Gorbunova st., Bld. No 3, office A305

Moscow, 121596, Russia

Phone: 7 - 495 956 82 30

info@vestel.ru

www.vestel.ru

Vestel Electronics Gulf DMCC

Unit No: ALMAS-06-C ALMAS Tower Plot

No: JLT-PH1-A0

Jumeirah Lakes Towers Dubai Bae

info@vestel-gulf.ae

www.vestel-gulf.ae

TOO Vestel Central Asia

050026 Kazakhsatan/Almaty Aiteke bi 187,

office:215

Phone: 7 - 727 263 39 39

info@vestel.kz

Vestel Poland

ul. Salsy 2, Warszawa kod 02-823

Phone: 48 22 272 73 00

info@vestel-poland.com

www.vestel-poland.com

Vestel Electronica

Bucharest, 1st District, 2-4 Murmurului Entrance,
014114

Bucharest/Romania

Phone: 40 - 31 425 42 93

Fax: 40 -31 425 42 95

office@vestel.ro

www.vestel.ro



VESTEL

Organize Sanayi Bölgesi, 45030 Manisa/Türkiye
Phone: 90 - 236 233 25 82 Fax: 90 - 236 233 25 84
vesteltrade@vestel.com.tr · www.vestelvisualsolutions.com



/vestelinternational