



### Key Features



#### Impressive 4K Performance

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

#### Eye-care Solution

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

#### 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.



#### 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



#### Improved Fluent Touch Experience

Incorporating the latest 20 point IR Touch technology with faster response. The new IFX range is designed to allow multiple users to interact simultaneously. The super smooth surface allows for a highly precise and user-friendly writing experience.

#### Smooth Touch Support

A new touch frame gives the users the option to autorecognize the color and pen thickness.



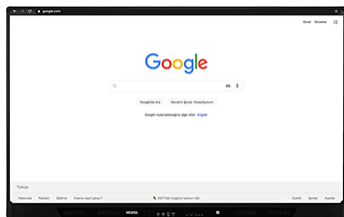
#### Wireless Screen Sharing

Wireless screen sharing empowers users to share any external content without any cables. Utilizing embedded Wi-Fi technology 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.



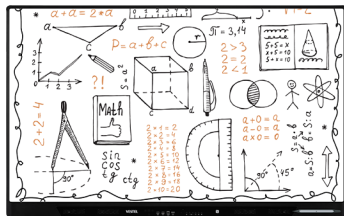
## Array of Android Applications Delivers Different Ways of Student Engagement

Offering the fundamental applications, New IFX Series allows users to annotate on Whiteboard, share content remotely via Eshare, work on documents in OfficeSuite, open media and browse through your documents and folder



## Internet Browser to Access Internet Content for Classroom

Using Chromium as the embedded internet browser, 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.



## Natural Writing Experience Professional Pen Design

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

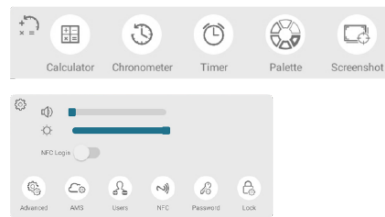
### Smooth Dual Pen

A passive magnetic pen with two different pen sizes as well as palm erase provides teachers the ability to be more efficient and effective in classrooms



## Whiteboard Application for Flawless Teaching Experience

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.



## Quick Tools and Settings

New quick tools (Calculator, Chronometer, Timer, Screen Capture and Crop) and quick settings (volume/brightness settings, Screen Lock, NFC Settings, and more) for teachers to utilize the IFX board efficiently without disrupting the classes.



## Connectivity A Great Many Ports Available to Cover the Highest Requirements

Aside from all the easily accessible front ports, IFX Series is equipped with embedded Wi-Fi and BT modules and many rear I/O ports.

- 4 x HDMI 2.0 • 2 x USB 2.0 Type-A • 1 x USB Type-C
- 1 x MicroSD • 1 x Secure USB Slot • 1 x OPS Slot
- 1 x LAN

### USB Type-C

Can transfer 4K video and data whilst powering/charging mobile devices. OPS Compatibility enhances processing capabilities using pluggable PC in OPS slot.

### OPS SLOT

Enhance processing capabilities using pluggable PC in OPS slot.

## Display

|                         |  |                          |                           |
|-------------------------|--|--------------------------|---------------------------|
| Screen Size             | 65"  | Backlight Type           | Direct-Type LED           |
| Brightness (Nits)       | 350 cd/m <sup>2</sup>                              | Native Resolution        | UHD: 3840 x 2160<br>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.<br>(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<br>Anti-Glare                        | Glass Hardness           | 8 Mohs                    |

## Built-in System

|                 |                      |                  |                                   |
|-----------------|----------------------|------------------|-----------------------------------|
| Mainboard Model | MB400VS              | Operating System | Custom OS (built on Android AOSP) |
| Memory          | 4 GB DDR4            | Storage          | 64 GB EMMC                        |
| CPU             | CA55 Quad core       | GPU              | Mali-G31 MP2                      |
| Wired           | 10/100 Mbps Ethernet | WiFi             | WiFi 5 (802.11 a/b/g/n/ac)        |
| Bluetooth       | BT 5.1               |                  |                                   |

## User Experience

|              |  |                         |  |
|--------------|--|-------------------------|--|
| Home Page    | Personalized Background<br>Home buttons<br>Navigation bar<br>Quick Palette   | Launcher                | All Apps<br>Profile Login/Logout<br>Quick Settings<br>Tools<br>Source Change |
| Applications | Whiteboard,<br>ScreenShare,<br>Web browser,<br>File Manager,<br>Media Player,<br>Officesuite,<br>AquaMail,<br>CloudFileManager | Board Management System | Cloud System for User Account<br>Management                                  |
| Others       | Over-the-Air SW Update<br>Screen Freeze<br>Screen Lock<br>Dual Pen Recognition<br>Palm Erase<br>Annotate over Any Source       |                         |  |

## Rear I/Os

|                  |   |              |   |
|------------------|---|--------------|---|
| Video Input      | 2 x HDMI2.0 (HDCP2.2)<br>1 x HDMI2.0 (Daisychain Input)<br>MicroSD (up to 1TB)<br>OPS Interface | Video Output | 1 x HDMI2.0 (Daisychain Output)<br>Headphone(Line-out)<br>Optic SPDIF |
| External Control | RJ45 (LAN & Control)<br>3.5mm jack(RS232 Control)<br>2 x RJ12 (Sensor Box & service<br>input)   | USB          | 1 x USB-A (2.0)<br>1 x USB-A (3.0)<br>1 x USB-C (3.0)                 |

## Front Accessibility

|             |  |                 |  |
|-------------|--|-----------------|--|
| Front I/Os  | USB-A (2.0 / autoswitch for Android & OPS)<br>USB-A (3.0 / autoswitch for Android & OPS)<br>1 x USB-B (touch out)<br>1 x HDMI2.0 Input | Console Buttons | Standby on/off<br>Volume up<br>Volume down<br>Touch enable/disable<br>Source Change,<br>Settings |
| IR Receiver | Fixed on bezel   | Audio           | 2x20 W - Front Facing Speakers   |
| Pen Holder  | Integrated Magnetic Tray   |                 |  |

## Touch Interactivity

|                          |   |                         |   |
|--------------------------|---|-------------------------|---|
| Type of Touch Technology | Infrared (IR) Technology  | Continuous Touch Points | Max. 20 touch points*<br>*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,<br>Windows®10, Vista, XP, Mac® OS,<br>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 |     |     |