Interactive Flat Panel Displays

IFX864-4P

VESTEL

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-GlareTempered Glass

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

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.

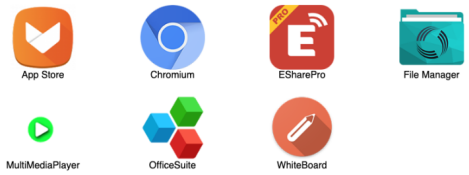
Profile Management for Customization and Security

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

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

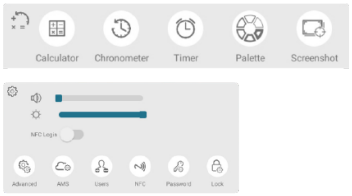
Offering the fundamental applications,New IFX Series allows users to annotate on Whiteboard,share content remotely via Eshare, work on documents in OfficeSuite,open media and browse through your documents and folder

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.

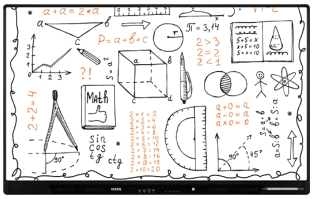
Internet Browser to Access Internet Content for Classroom

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.



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.

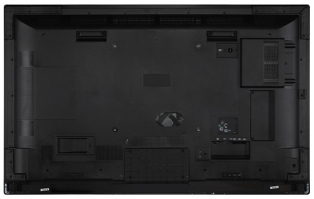


Natural Writing Experience Professional Pen Design

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



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 HDMI2.0 • 2 x USB2.0 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.

Panel

Screen Size	86"	Backlight Type	Direct-Type LED
Brightness (Nits)	400 cd/m²	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
Memory	4 GB DDR4	Storage	64 GB EMMC
CPU	CA55 Quad core	GPU	Mali-G31 MP2
Wired	10/100/1000 Mbps Ethernet	WiFi	WiFi 5 (802.11 a/b/g/n/ac)
Bluetooth	BT 5.1		

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		

Monitor Connectivity

Video Input	2 x HDMI2.0 (HDCP2.2) 1 x HDMI2.0 (Daisychain Input) MicroSD (up to 1TB) OPS Interface	Video Output	1 x HDMI2.0 (Daisychain Output) Headphone(Line-out) Optic SPDIF
USB	1 x USB-A (2.0) 1 x USB-A (3.0) 1 x USB-C (3.0)		

Front Accessibility

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		

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

Inputs

LAN (Control)	RJ45 (LAN & Control) 3.5mm jack(RS232 Control) 2 x RJ12 (Sensor Box & service input)

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	800 x 600 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		

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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