

The New IFX Series

Interactive Flat Panel Displays
2021 - 2022



VESTEL

www.vestelvisualsolutions.com

The New IFX Series

The Android 9 OS-powered IFX Series is the second generation of Vestel's cost-effective and highly interactive tailored design for education. The series includes powerful touch/pen tools with a light user experience together with all the fundamental features needed for teachers and students, and manageability for school IT administrators.



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



4 USB



5 USB Type B



6 HDMI



7 Control Buttons



8 NFC Support*



Anti-Glare
Tempered Glass



Slim Bezel /
Seamless Touch Depth



Impressive
4K Performance



Improved Fluent
20pt Touch Experience



WiFi/BT

Features



Display Features

Impressive 4K Performance

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



Flicker free

Eye-care Solution

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



Anti-glare 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.



*Anti-shatter
toughened glass*

Features



Touch Features

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 auto-recognize the color and pen thickness.



20-point touch



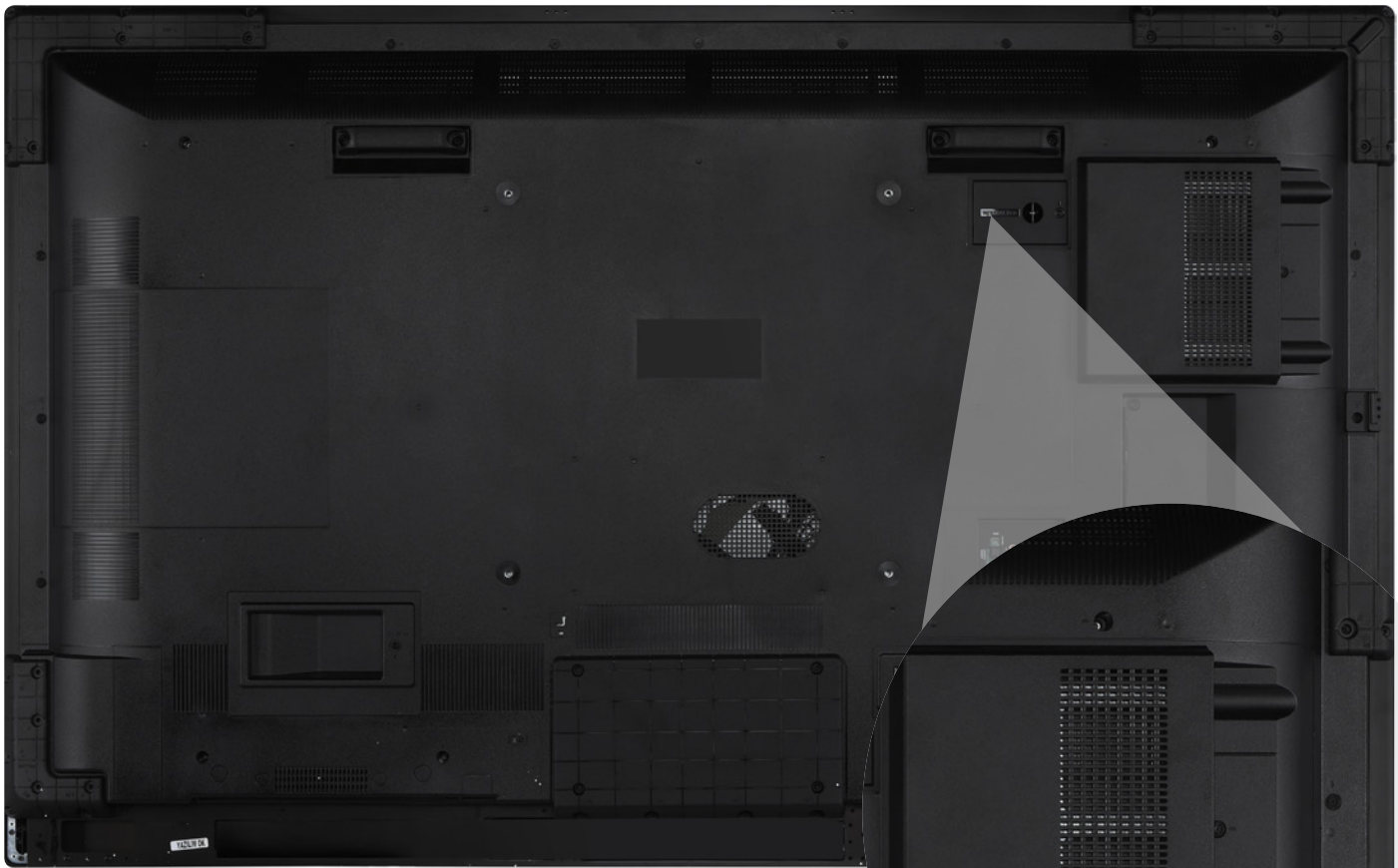
High precision touch



Super glide surface



Palm erase



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.



DP-In



DP-Out



HDMI-In x4



HDMI-Out



USB Type C



IR input



Headphone



USB



LAN



Sensor input



VGA



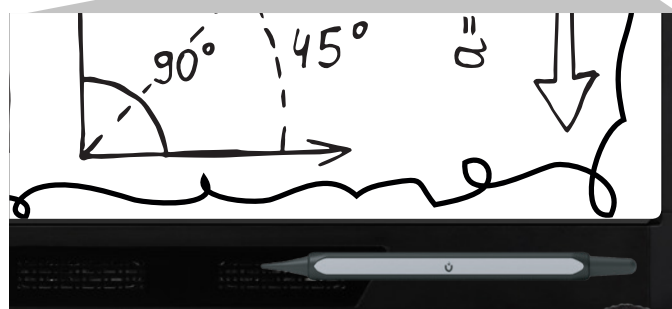
RS232



Audio out



OPS



Natural Writing Experience

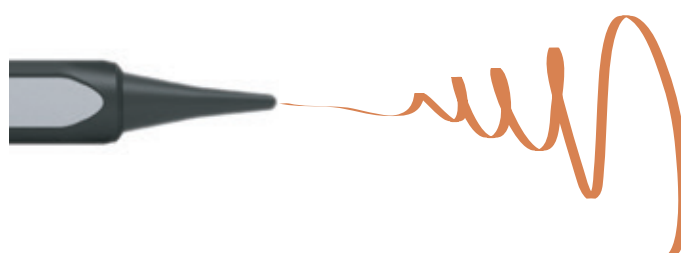
Professional Pen Design

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.



Array of Android Applications Delivers Different Ways of Student Engagement



Offering the fundamental applications, The 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.



App Store



Chromium



ESharePro



File Manager



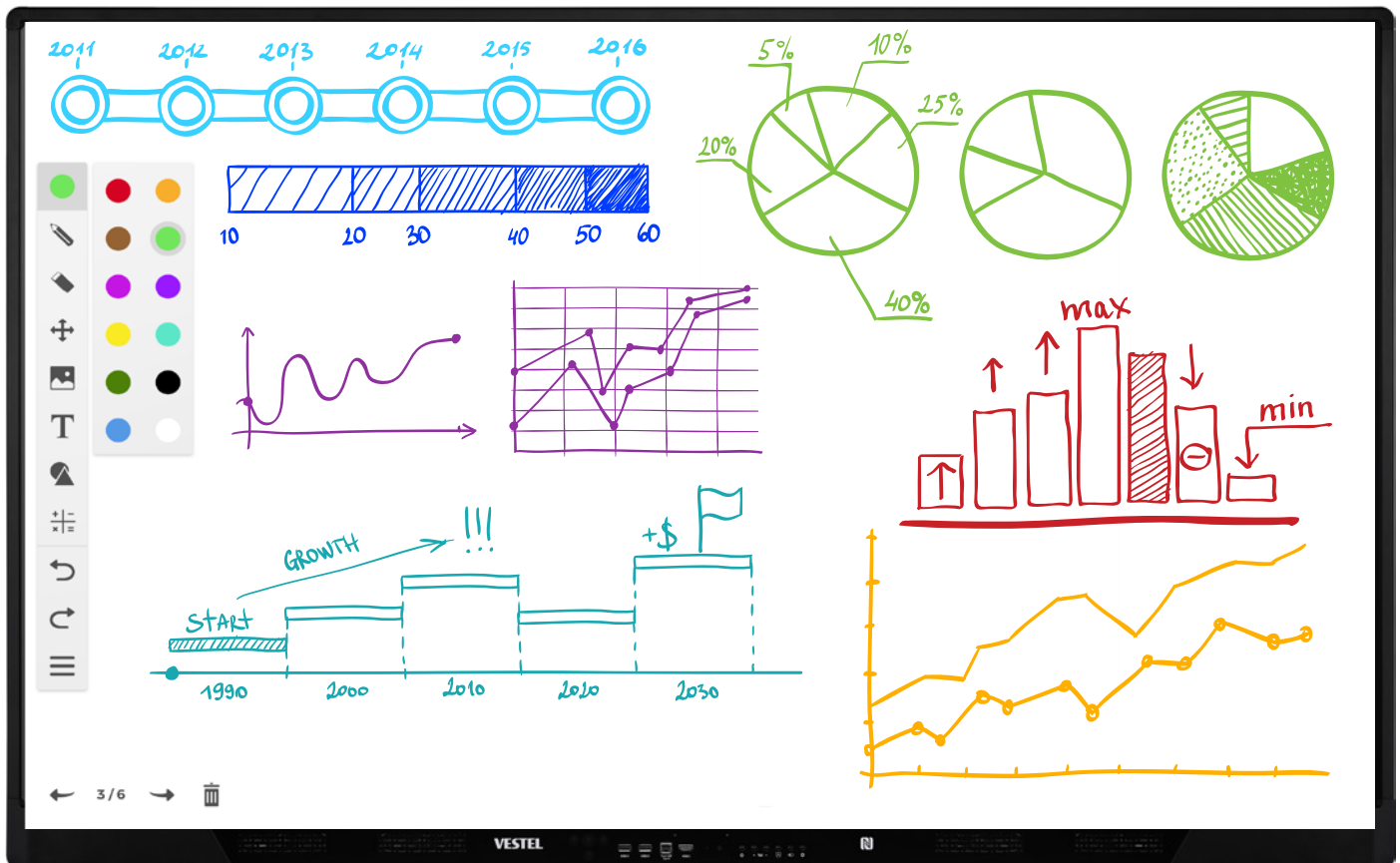
MultiMediaPlayer



OfficeSuite



Whiteboard

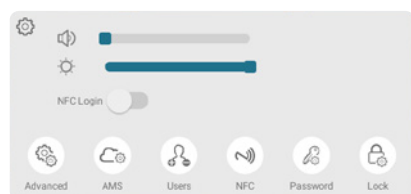
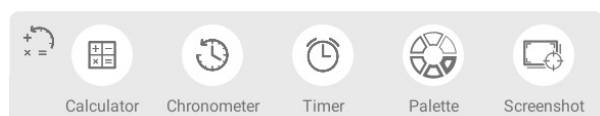


Whiteboard Application for Flawless Teaching Experience

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.

Flexible Tools

Front Design



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.



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.



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.



Everything You Need is Within Reach

The new IFX Series has everything the teacher needs to use in front of the display. External disks/USBs can be easily connected to the device and also any external PC can be passed over to the board via HDMI and touch input. Furthermore, the front buttons grant the ability to control the display in any situation easily.



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



Wireless Screen Sharing

Empowers users to share any external content without any cables.

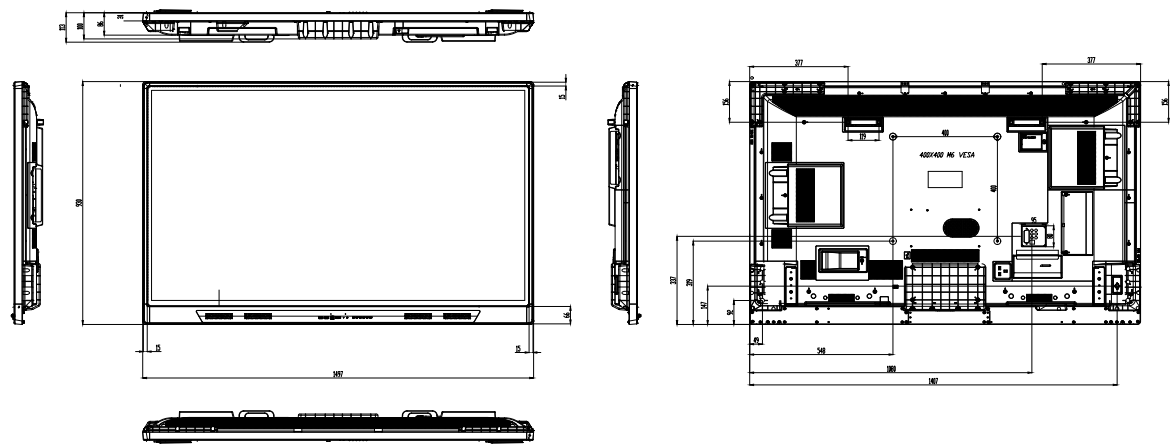
Utilizing embedded Wi-Fi technology the new IFX Series provides Eshare application, multi-screen interactive screensharing tool.

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.

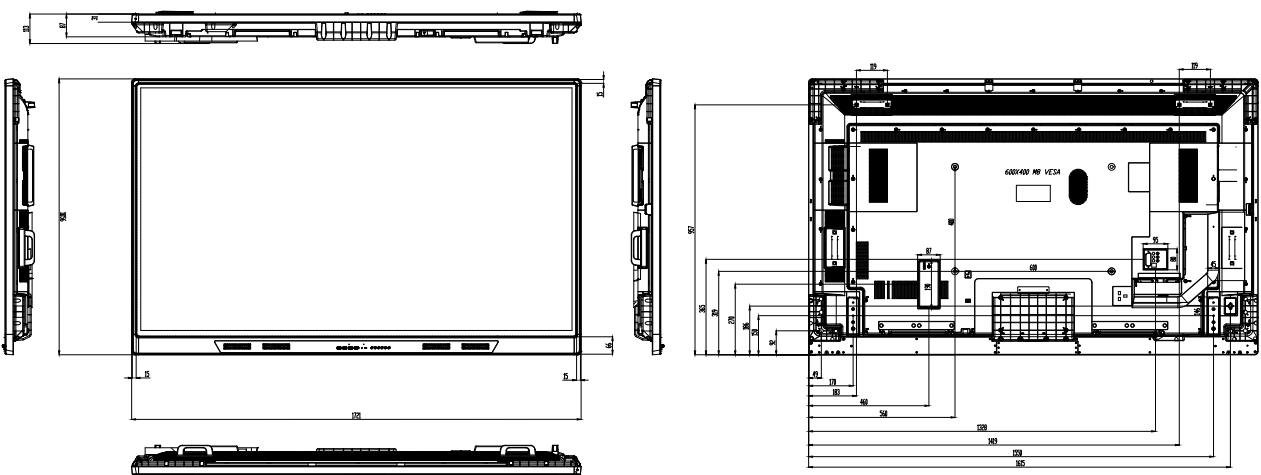


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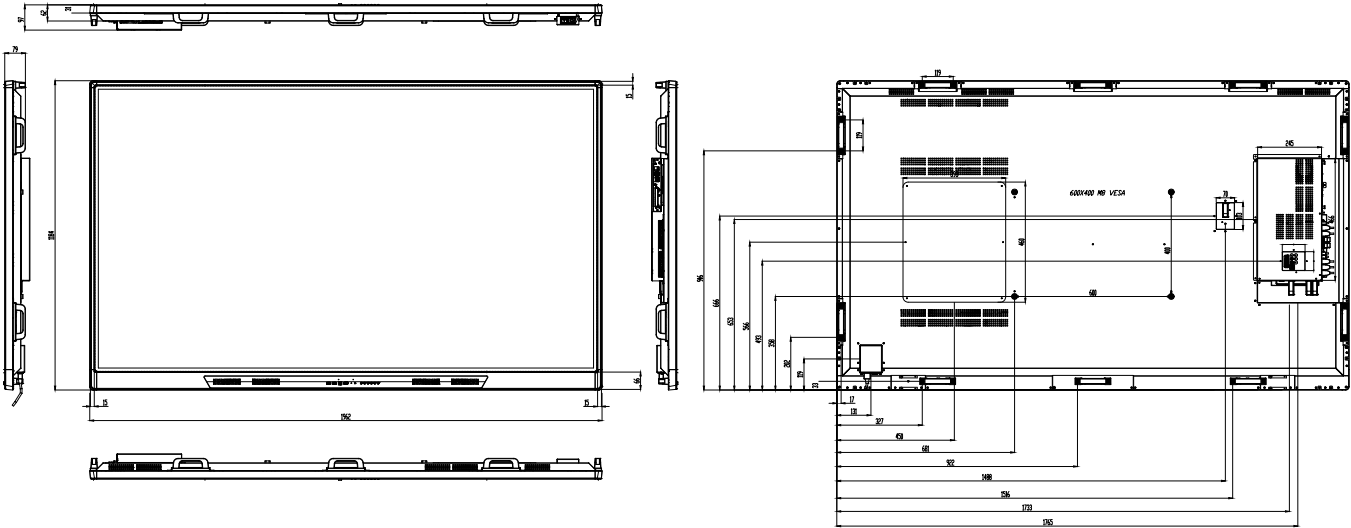
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Specifications

The New IFX Series

Display	
Screen Size	65"
	75"
	86"
Backlight Type	Direct-Type LED
Brightness (Nits)	65": 350 cd/m ²
	75": 400 cd/m ²
	86": 400 cd/m ²
Native Resolution	UHD: 3840 x 2160 HDR10
Aspect Ratio	16:9
Contrast Ratio (typical)	1200:1
Dynamic Constrast Ratio	35000:1
Panel Life Time (Min.)	30000 Hrs
Response Time (typical)	8 ms
Active Area (H x V)	65": 1428 x 803 mm
	75": 1650 x 928 mm
	86": 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	MB170VS
Operating System	Customized Android Pie 9.0
CPU	CA55 Quad core
GPU	Mali470 MP3
Storage	8GB EMMC
Memory	1.5GB DDR3 / 2GB Upgrade
Wired	10/100 Mbps Ethernet
WiFi	WiFi 5 (802.11 a/b/g/n/ac)
Bluetooth	BT 4.2
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
Board Management System	Connected System for User Profile Management
USB Type-C	Data transfer: USB2.0, Charging capability: 7.5W, DP alternate mode: 4K video stream
Others	Over-the-Air SW Update, Screen Freeze, Screen Lock, Dual Pen Recognition, Palm Erase, Annotate over Any Source

Rear I/Os	
RGB Input	VGA
Video Input	4 x HDMI2.0, 2 x USB2.0 type-A, 1 x USB2.0 type-C, 1 x MicroSD (up to 1TB), 1 x Secure Slot (USB2.0), 1 x OPS Slot(15W)
Video Output	1 x HDMI2.0
Audio Output	Headphone(Line-out), Optic SPDIF
External Control	RS232(3.5mm jack), Ethernet(RJ45), Service(RJ12)
External Sensor	RJ12
Front Accessibility	
Front I/Os	2 x USB2.0 Type-A, 1 x USB2.0 Type-B for touch, 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	20 Points: Windows, 10 Points: Android
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)	65": 1497 x 930 x 113
	75": 1721 x 1056 x 113
	86": 1962 x 1184 x 97
Package Dimensions (WxDxH)	65": 1756 x 1100 x 265 mm
	75": 1990 x 1227 x 265 mm
	86": 2163 x 1405 x 318 mm
Product Weight	TBD
Package Weight	TBD
Vesa Mounting	65": 400 x 400 mm - M6
	75": 600 x 400 mm - M8
	86": 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
Features	
Mechanical Features	Slim Bezel, User-Friendly Front Ports and Buttons, Detachable power cable, Carrying handles
Certification	
Safety	YES
EMC	YES
CE	YES



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