

Interactive Flat Panel  
IFX653-4P

**VESTEL**



**Key Features**

## Display

Screen Size	65"
Backlight Type	Direct-Type LED
Brightness (typical)	350 cd/m <sup>2</sup>
Native Resolution	UHD: 3840 x 2160  HDR10
Aspect Ratio	16:9
Contrast Ratio (typical)	1200:1
Dynamic Contrast Ratio	35000:1
Panel Life Time ( Min. )	30000 Hrs
Panel Life Time ( Average )	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	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

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	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	TBD
Package Weight	TBD
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
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## Power Consumption

## 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

Typical	240 W
Maximum	320 W
Deep Standby	<

## Features

Mechanical Features	Slim Bezel, User-Friendly Front Ports and Buttons, Detachable power cable, Carrying handles
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## Certification

Safety	YES
EMC	YES
CE	YES