

TEY2IB User Manual



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Introduction

TEY21B OPS provides a greater performance for the Interactive Display and Digital Signage applications. This embedded PC module is rich with I/O's including one type-C USB, two USB 3.1, one USB 3.0, one USB 2.0, one HDMI video port with up to 3840*2160 resolution, and support TPM2.0; Pre-load Win10 IoT Enterprise and BenQ Launcher provide friendly user experience.

Features

PC		
Model	TEY21B-1015M8S5	TEY21B-1017M8S5
CPU	i5 10210U, Intel [®] 10th Gen. Comet Lake-U SOC	i7 10510U, Intel [®] 10th Gen. Comet Lake-U SOC
Memory*	DDR4 8G x I	DDR4 8G x I
Storage*	256 GB	256 GB
Graphics	Intel [®] HD Graphics 6 Series	Intel [®] HD Graphics 6 Series
Resolution	Max. 3840 x 2160 @60Hz	Max. 3840 x 2160 @60Hz
Chipset	Integrated into CPU	Integrated into CPU
Network	Intel Gigabit Ethernet	Intel Gigabit Ethernet
Wi-Fi	Intel [®] AX200 802.11 a/b/g/n/ac/ax (2.4 GHz and 5 GHz)	Intel [®] AX200 802.11 a/b/g/n/ac/ax (2.4 GHz and 5 GHz)

Interfaces Frontside		
USB 3.1 Type-C*	xl	
USB 3.1 Type-A	x2	
USB 3.0 Type-A	xl	
USB 2.0 Type-A	xl	
HDMI 2.0 (4K@60Hz)	xl	
RJ45 (10/100/1000M)	xl	
3.5mm Line out	xl	
3.5mm Mic in	xl	

Interfaces Frontside		
WiFi/BT ANT	x2	
Power button	xl	
Reset button	xl	
Power LED	xl	
SSD LED	xl	
DC-IN	xl	

Operation System		
OS Support	Win10 IoT Enterprise 64 bit (Pre-load BenQ Launcher)	

Power	
Power Supply Mode	DC input +12V~+19V

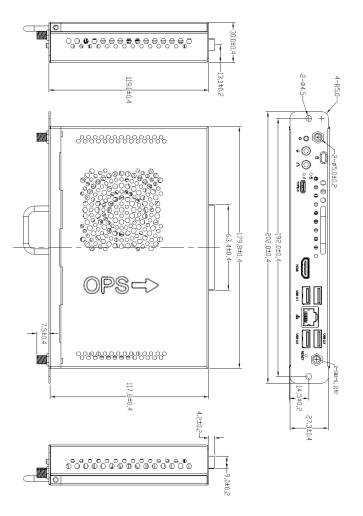
Physical Specifications		
Cover Material	Metal	
Dimension L*W*H (mm)	9 x 80 x 30	
Package Dimension (mm)	254 × 196 × 77	
Net Weight	0.97 kg (1pcs)	
Gross Weight	1.23 kg (1pcs)	
Operation Temperature	5~45%	
Operation Humidity	10%~95%	
Storage Temperature	-20 - 70%	
Storage Humidity	10%~95%	

Memory up to I6GB

• Storage support M.2 2280 SATA SSD

• USB 3.1 Type-C supports data transfer and 5V/1A peripheral devices only.

Dimension



View Outlook Outside View



View of I/O Front Panel



View of I/O Back Panel



No.	Name	Description
1	WiFi	WiFi antenna interface
2	LOCK	LOCK button
3	HDD LED	Hard Disk Drive indicator light
4	USB2.0	USB 2.0 connectors, backwards compatibility USB 1.1
6	POWER BUTTON	Press the power button to turn on the device.
6	MIC IN	This jack is used to connect an external microphone.
0	LINE OUT	This jack is used to connect to the front left and right channel speakers of the audio system.
8	POWER LED	Power indicator light
9	USB3.1 TYPE-C	Type-C connector
10	HDMI	High-definition multimedia display interface
1	USB3.1 Gen2 Type-A	USB 3.1 connector, backwards compatibility USB 3.0/2.0
12	LAN	RJ-45 Ethernet network connector
13	USB3.0	USB 3.0 connector, backwards compatibility USB 2.0/1.1
14	RESET	Reset button
15	JAE	80 pin Testing Interface
16	DC IN	DC Power interface



The product may differ from that illustrated depending on your region of purchase. The images are for reference only.

First installation

When using the TEY21B OPS module for the first time, you should follow the on-screen steps.

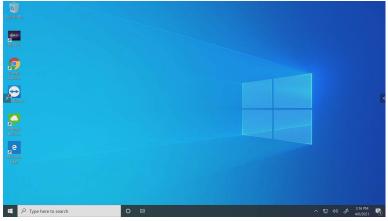
1. Wait for a few minutes when first starting the OPS module.



- 2. After the boot screen, please enter the region and keyboard layout.
- 3. After some setup, sign in with Microsoft. Choose **Domain join instead** if you do not have the aacount.

Sign in with Microsoft	
borneone@example.com Which account should I use? Sign in with the username and password you use with Office 365 or other business services from Microsoft:	
Domain join instead Privacy & cookies Terms of use	

4. Follow the on-screen steps to fill in the user name, password, security questions, and other necessary settings. After finishing all the settings, wait for several minutes. Then you will see the Windows desktop. Please wait for about one minute for the BenQ UI setting to show up.



5. Check "Don't ask me again" and press Yes to proceed.

Launch BenQ UI	
Auto launch BenQ UI after log-in?	
Don't ask me again.	

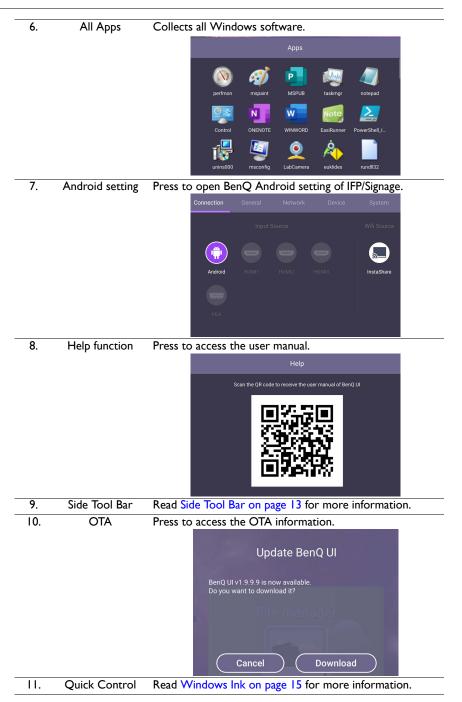
6. Read the privacy policy, check "I've read and accept Privacy Policy", press **Agree** and **OK** to finish the setting.

OPS interface

Optimizing Windows touch behavior, TEY21B is a friendly launcher for Windows users. It provides similar user experience with Android launcher and has Windows Multitasking functions and tools.



	ltem	Description
Ι.	CO2 Sensor	Air quality sensor information. Read CO2 Sensor (for CP6501K / CP8601K only) on page 10 for more information.
2.	Three main	Three main features are Whiteboard, File manager, and
	features	Conference . Read Three main features on page 11 for more information.
3.	Shortcut area	You can add your often-used Apps here.
4.	Account	You can access the account information here.
		About Change Account Settings
		Lock
		Sign out
		ρ_{\bullet}
5.	Switch input source	Press to switch to the interactive display input source.



CO2 Sensor (for CP6501K / CP8601K only)

The concentration value of CO2 sensor may vary depending on the environment such as temperature, humidity, and placement (by windows or under air conditioning). This means that the CO2 sensor will always accurately measure the increments between ppm levels, but the baseline of the measurement may shift over time.

It is normal if the concentration value is slightly higher or lower than its original calibration.

The CO2 sensor has a self-correction mechanism to make the sensor more in line with the current installation environment, so that the value can be more accurate. To start the calibration, please follow the directions.

Auto calibration

To provide correction for the optimal CO2 concentration for the current environment, the calibration mechanism will collect the CO2 concentration value for 25 consecutive hours to meet the temperature and humidity of the current space.

During the automatic calibration, do not interrupt or turn off the power supply. Do not move the IFP and make sure that the device is in an environment with good ventilation, to ensure a better calibration result.

Three main features

Whiteboard, File manager, and Conference are three main feature shortcuts.

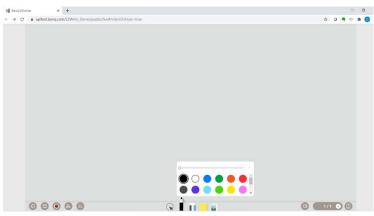


The corresponding Apps for three main feature shortcuts are:

• Whiteboard: EZWrite Live.

Press Whiteboard, and you will see a pop-up window asking you which browser you want to proceed. Select Google Chrome and always use the app.

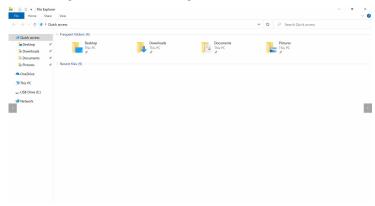
	How do you want to open this? Keep using this app Google Chrome	
Whiteboard	Other options Image: Second	Conference



EZWrite Live makes distance discussion and collaboration easier.

• File manager: Windows file manager

Windows file manager is a familiar file management method for users.



Conference: Skype for Business

Skype for Business supports video conferences.

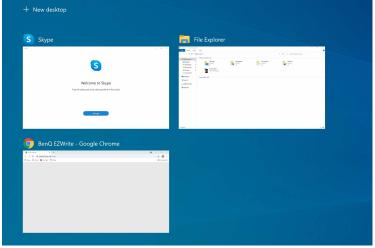
Side Tool Bar

CO2 good quality	Here the manager of t
₽₀	
Function	Description
Windows Launcher 🏠	Switch between Windows desktop mode and Windows launcher.
Windows Task View ()	Support Windows task view for multi-windows behavior. Refer to Windows Task View on page 14 for more information. Support Windows ink snapshot for painting and
	discussion. Refer to Windows Ink on page 15 for more information.
EZWrite Live (🛐)	Support EZWrite Live for distance discussion.

Windows Task View

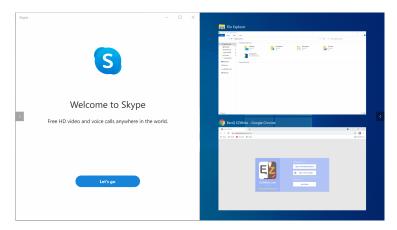
Windows Task View enables you to work more efficiently with multiple apps. With it, you can quickly jump between open applications and spread projects onto separate desktops.

1. Press 🕞 and you will see your running applications listed in the middle of the screen.



2. Long press and release an app to access its menu to perform common tasks, including the ability to move the app to the left or right of the screen, to show windows across desktops, or to quickly close the app.

Skype	File Explorer
	C 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
5	Snap left
Welcome to Skype Inte III vide and vide offs anywhere in the world.	Snap right
(tatiya)	Move to >
	Show this window on all desktops
BenQ EZWrite - Google Chrome	Show windows from this app on all desktops
H for B hate I for	Close



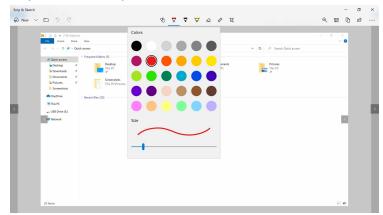
Windows Ink

Windows Ink enables you to share your ideas or draw on screenshots with your pen in the Windows Ink Workspace.

1. Press 🖉 and you can take a screenshot.

							1
File Home	Snip & Sketch					- 🗆 ×	
$\leftarrow \rightarrow \vee \uparrow \bigstar$	🖗 New 🗸 🗖	5 C	S 🗸 🖉	7 @ 0	14 🔍 🖬	0 @	P Search Quick access
📌 Quick access							
Desktop							Pictures
🔒 Downloads	Real Real Print Pr	Vev				· · · ·	This PC
Documents	0				♥ Ø .P. Search Quick access		
E Pictures	R Quick accorn	Troquent folders [5]	- Downloads				
Screenshots	Desktop #	This PC	This PC	This PC	This PC		
OneDrive	Documents /	Screenshots This PC(Pictures					
	 OreOrice 	Recent Nex (20)					
USB Drive (E:)	9 to PC						
_	us USB Drive (6)					<	
> 🤣 Network	Particular.						
	25 Rems					11 M	
							1

2. You can draw on whatever you're doing on your display at the moment. All sketchpad tools are in Snip & Sketch.

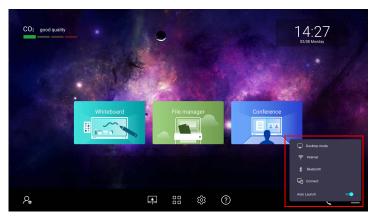


Quick Control

I. Press 📑 to open Quick Control.



2. You can switch to **Desktop mode**, control **Internet**, **Bluetooth**, and **Connect**.



Desktop mode

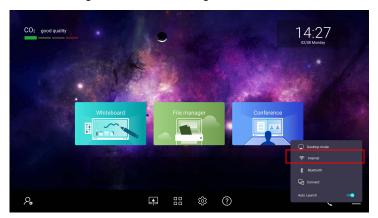
To go back to the desktop, press **Desktop mode** to jump back to the Windows desktop.





Internet

I. Press Internet to go to the Internet settings.



2. You can change your Internet connection settings here.

Settings		- 0	×
۵ Home	Status		
Find a setting	Network status	Have a question?	
Network & Internet	□	Finding my IP address Troubleshooting network connection issues	
🔁 Status	Ethermet 2 Public network	Updating network adapter or driver	
<i>i</i> ∕a Wi⊦Fi	You're connected to the Internet If you have a limited data plan, you can make this network a	Get help	
D Ethernet	metered connection or change other properties.	Give feedback	
> Dial-up	Change connection properties		<
% VPN	Show available networks		
💬 Airplane mode	Change your network settings		
⁸ I ⁰ Mobile hotspot	Change adapter options View network adapters and change connection settings.		
🕑 Data usage	Sharing options		
Proxy	For the networks you connect to, decide what you want to share.		
	Network troubleshooter Diagnose and fix network problems.		
	View your network properties		

Bluetooth



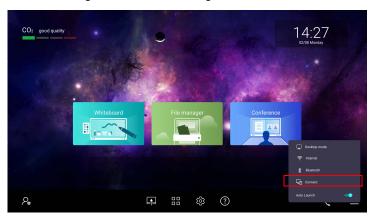
I. Press **Bluetooth** to go to the Bluetooth settings.

2. Search for Bluetooth devices to connect with your display.

	← Settings		- 0	×
	ம் Home	Bluetooth & other devices		
	Find a setting	. Add Bluetooth or other device	Turn on Bluetooth even faster	
	Devices	+	To turn Bluetooth on or off without opening Settings, open action center and select the Bluetooth icon.	
	Bluetooth & other devices	Bluetooth		
	Biuetooth & other devices Printers & scanners	On Now discoverable as "OPSIESERIES"	Related settings Devices and printers	
	0 Mouse	Mouse, keyboard, & pen	Sound settings	
l	Typing	Touch Device FS	Display settings	<
	- typing		More Bluetooth options	
	o ^{g,} Pen & Windows Ink	USB Keyboard	Send or receive files via Bluetooth	
	AutoPlay			
	0 USB	Audio	Have a question?	
		BenQ CP6501K	Sharing files over Bluetooth	
			Reinstalling Bluetooth drivers	
		Og C922 Pro Stream Webcam	Fixing Bluetooth connections	
		CP Array MIC	Get help	
		(1)) CP Array MIC	Give feedback	

Connect

I. Press **Connect** to go to the Connect settings.



2. You can connect the display with the other display.

CO2 good quality		•				CONNECT Searching for wireless display and audio devices Where is my device? P Search B Beng OF5001K D Onlyiny Pinjel Beng OF5001K D Onlyiny
•	Ahiteboard		File mar	hager		
P.		F		තු	?	

3. For **Connect** function, you can mirror or extend the screen.



Mirror the screen



Extend the screen