

TOSHIBA

Toshiba Tec Barcode Printer

CUPS Driver Generic for Linux

Manual

1st Edition: Feb. 15, 2023

Toshiba Tec Corporation

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Introduction

This documentation is for users of Toshiba Tec barcode printers with Linux-based systems. The supplied software is intended to be used in conjunction with a CUPS-compatible operating system.

System Requirements

- Ubuntu Desktop 22.04 LTS or later (64-bit OS)
- Fedora Workstation 36 or later (64-bit OS)
- CUPS v1.6 or higher
- libusb v1.0.21 or later

Install file

- For Ubuntu : toshiba-tec-barcode-printer-drivers-generic_ **x.xx** _debian_amd64.deb (**x.xx** is the version)
- For Fedora : toshiba-tec-barcode-printer-drivers-generic-**x.xx**-1.x86_64.rpm (**x.xx** is the version)

Connection Interface

LAN (Raw, LPR)
USB

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1. Installation

The installation procedure of this printer driver differs depending on the printer models and the connection methods. Follow the procedure for the appropriate condition to install the printer driver.

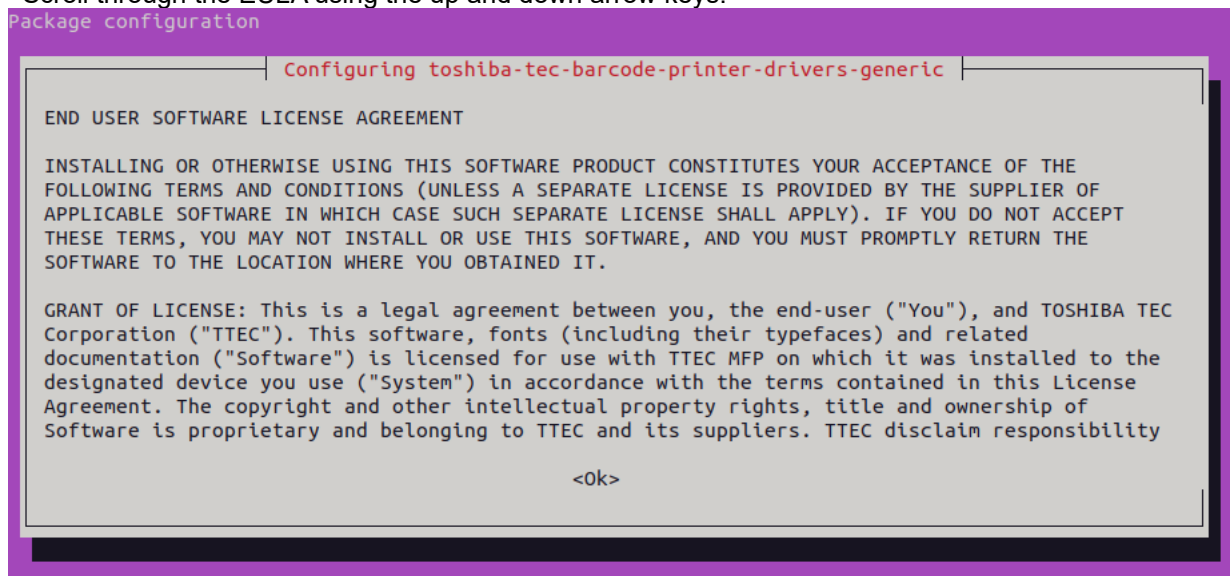
1.1 Installation for Ubuntu Desktop

To install the Toshiba Tec barcode printer drivers on Ubuntu Desktop (64-bit), the .deb package is used. Unless otherwise specified, all commands are to be run as root.

1. Copy the “toshiba-tec-barcode-printer-drivers-generic_x.xx_debian_amd64.deb” package to the target system, where **x.xx** is the version number of the package.
2. Run the following command in a terminal (change to the directory where the package was copied):

```
dpkg --install toshiba-tec-barcode-printer-drivers-generic_x.xx_debian_amd64.deb
```

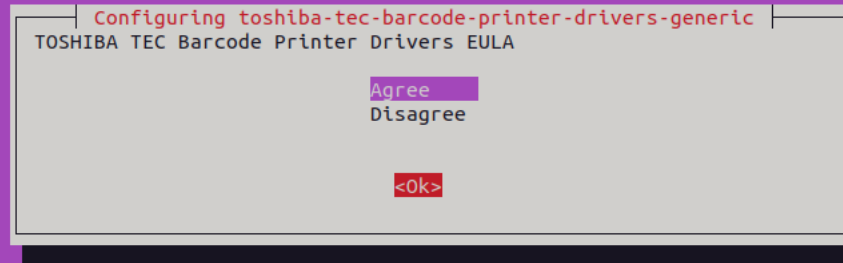
3. You will be prompted to read the EULA, which must be accepted before the installation can continue. Scroll through the EULA using the up and down arrow keys.



4. To progress to the next screen, highlight the "Ok" button by pressing the tab key, and dismiss the EULA by pressing the enter key.
5. To accept the EULA, highlight "Agree" using the up and down arrow keys, and then press the enter key. If "Agree" is not highlighted

6. Installation of the Toshiba Tec barcode printer drivers will commence after the EULA is accepted.

Package configuration



7. CUPS should restart automatically; however, in case it does not, it should be restarted manually. On system based systems, restart CUPS by running the following command:

`systemctl restart cups.service`

1.2 Installation for Fedora Workstation

To install the Toshiba Tec barcode printer drivers on Fedora Workstation (64-bit), the .rpm package is used. Unless otherwise specified, all commands are to be run as root.

1. Copy the “toshiba-tec-barcode-printer-drivers-generic-x.xx-1.x86_64.rpm” file to the target system, where **x.xx** is the version number of the package.
2. Run the following command as root:
dnf install toshiba-tec-barcode-printer-drivers-generic-x.xx-1.x86_64.rpm
3. CUPS should restart automatically; however, in case it does not, it should be restarted manually. On system based systems, restart CUPS using the following command:
systemctl restart cups.service

2. Setting up the Toshiba Tec Barcode Printer

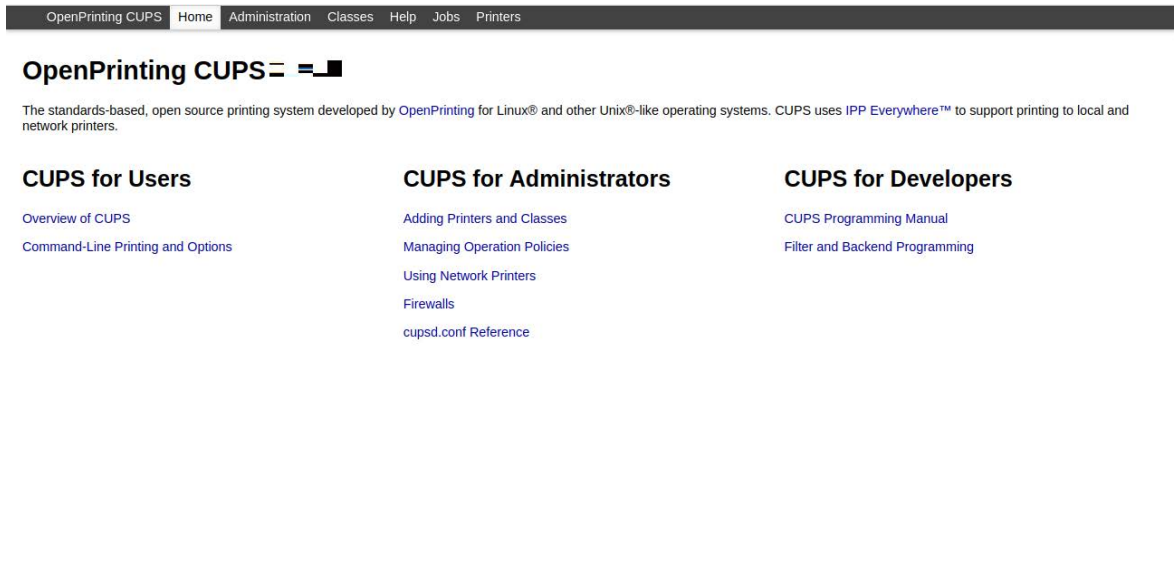
Consult the documentation of the target operating system for specific instructions on how to set up a new printer. Different desktop environments provide different interfaces for adding and maintaining printers. Alternatively, most CUPS-compatible operating systems can be configured through a web interface.

2.1 Using the CUPS web interface

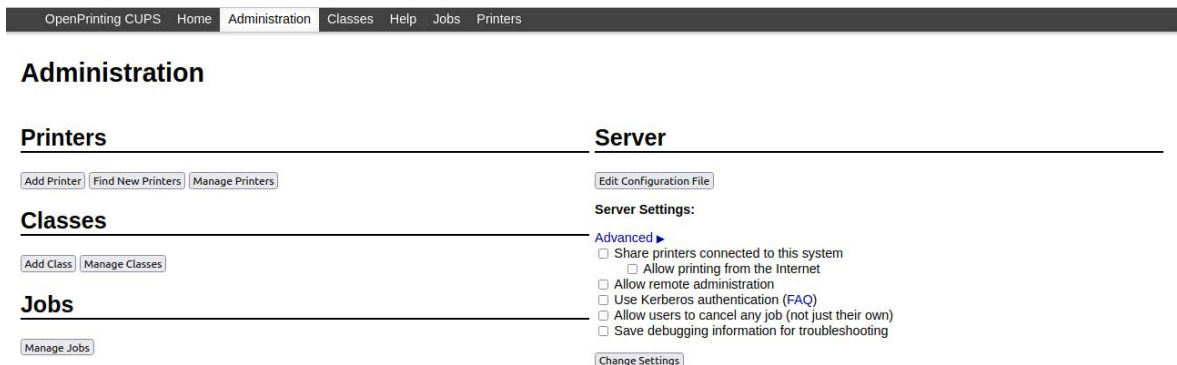
2.1.1 Access CUPS web interface

1. Using a web browser on the target system, browse to `https://localhost:631/` (be sure use **https** and not **http**).

Typically, CUPS is installed and set up using a self-signed certificate, as such, most browsers will warn that the connection is not private. If such a warning is shown when navigating to the above URI, an exception must be made to allow the CUPS web interface to be used. How this exception is made depends on the browser. Consult the browser's documentation for more information on adding SSL certificate exceptions



2. Once the CUPS web interface is loaded, click "Administration" at the top of the page.



2.1.2 Add printer by USB I/F

* Connect the printer by a USB cable.

1. Under the "Printers" heading, click "Add Printer".

OpenPrinting CUPS Home Administration Classes Help Jobs Printers

Administration

Printers

Add Printer Find New Printers Manage Printers

Classes

Add Class Manage Classes

Jobs

Manage Jobs

Server

Edit Configuration File

Server Settings:

Advanced ▾

- ☐ Share printers connected to this system
 - ☐ Allow printing from the Internet
- ☐ Allow remote administration
- ☐ Use Kerberos authentication (FAQ)
- ☐ Allow users to cancel any job (not just their own)
- ☐ Save debugging information for troubleshooting

Change Settings

A prompt should appear requesting a user name and password. If such a prompt appears, enter the user name and password.

🌐 localhost:631

This site is asking you to sign in.

Username

Password

Cancel

Sign In

2. Choose the Toshiba Tec Barcode Printer amongst the local or discovered printers and click **Continue**. If the printer is connected by USB and does not show in the list of local printers, check the USB connection and try again from step 1.

OpenPrinting CUPS

Home

Administration

Classes

Help

Jobs

Printers

Add Printer

Add Printer

Local Printers:

☐

CUPS-BRF (Virtual Braille BRF Printer)

☐

HP Printer (HPLIP)

☒

TOSHIBA BA400T-G (TOSHIBA BA400T-G)

☐

HP Fax (HPLIP)

Discovered Network Printers:

Other Network Printers:

☐

Backend Error Handler

☐

Internet Printing Protocol (http)

☐

Internet Printing Protocol (ipp5)

☐

Internet Printing Protocol (ipp)

☐

Internet Printing Protocol (https)

☐

AppSocket/HP JetDirect

☐

LPD/LPR Host or Printer

Continue

3. On the next screen, select "Name" and "Location" for the printer, and click **Continue**.

OpenPrinting CUPS

Home

Administration

Classes

Help

Jobs

Printers

Add Printer

Add Printer

Name:

TOSHIBA_BA400T-G

(May contain any printable characters except "/", "#", and space)

Description:

TOSHIBA_BA400T-G

(Human-readable description such as "HP LaserJet with Duplexer")

Location:

(Human-readable location such as "Lab 1")

Connection:

tec://144398862075822080/?p=45058

Sharing:

☐ Share This Printer

Continue

4. On the next screen, scroll down in the list of printer manufacturers and select **Toshiba**, and then click **Continue**.

OpenPrinting CUPS Home Administration Classes Help Jobs Printers

Add Printer

Add Printer

Name: TOSHIBA_BA400T-G
Description: TOSHIBA BA400T-G
Location:
Connection: tec://144398862075822080/?p=45058
Sharing: Do Not Share This Printer

Make:

- Seiko
- Sharp
- SiPix
- Sony
- Star
- Tally
- Tektronix
- Texas Instruments
- Toshiba**
- TOSHIBA TEC Corp.

Continue

Or Provide a PPD File: No file selected.

5. Select **TOSHIBA TPCL Barcode Printer (en, en, ja)** from list and click **Add Printer**.

OpenPrinting CUPS Home Administration Classes Help Jobs Printers

Add Printer

Add Printer

Name: TOSHIBA_BA400T-G
Description: TOSHIBA BA400T-G
Location:
Connection: tec://144398862075822080/?p=45058
Sharing: Do Not Share This Printer

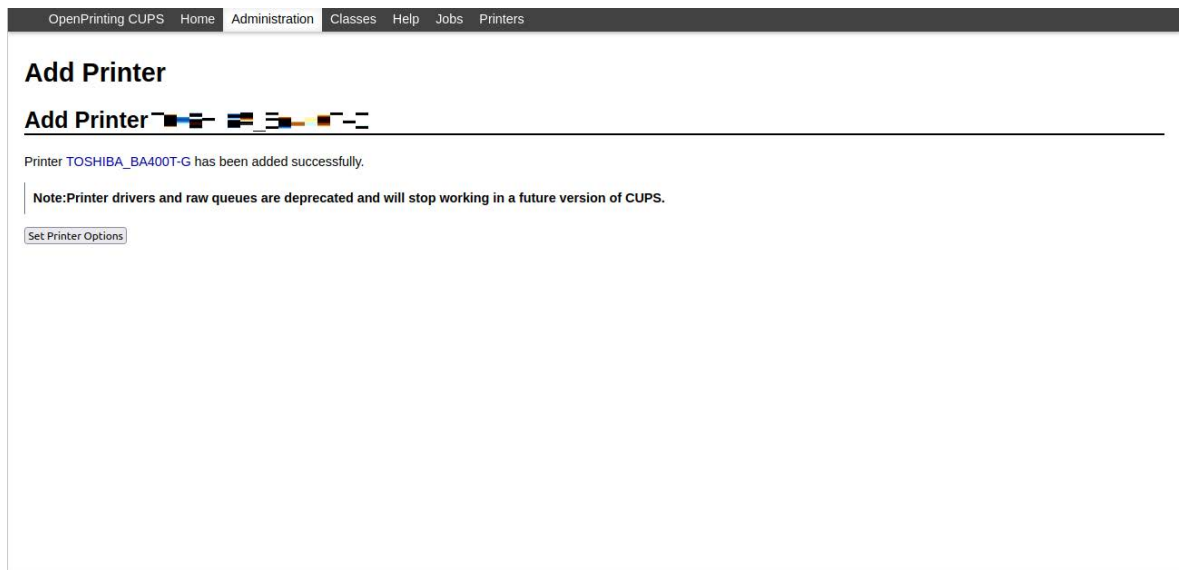
Make: Toshiba

Model:

- TOSHIBA e-STUDIO850 Series PS (en)
- TOSHIBA e-STUDIO850 Series PS (en)
- TOSHIBA e-STUDIO850 Series PS (en)
- TOSHIBA e-STUDIO3510c Series PS (en)
- TOSHIBA e-STUDIO3510c Series PS (en)
- TOSHIBA e-STUDIO3510c Series PS (en)
- TOSHIBA e-STUDIO3510c Series PS (en)
- TOSHIBA e-STUDIO180S, 2.0.0 (en)
- Toshiba GL-1010 Foomatic/Postscript (en)
- Toshiba GL-1020 Foomatic/Postscript (en)
- TOSHIBA TPCL Barcode Printer (en, en, ja)**

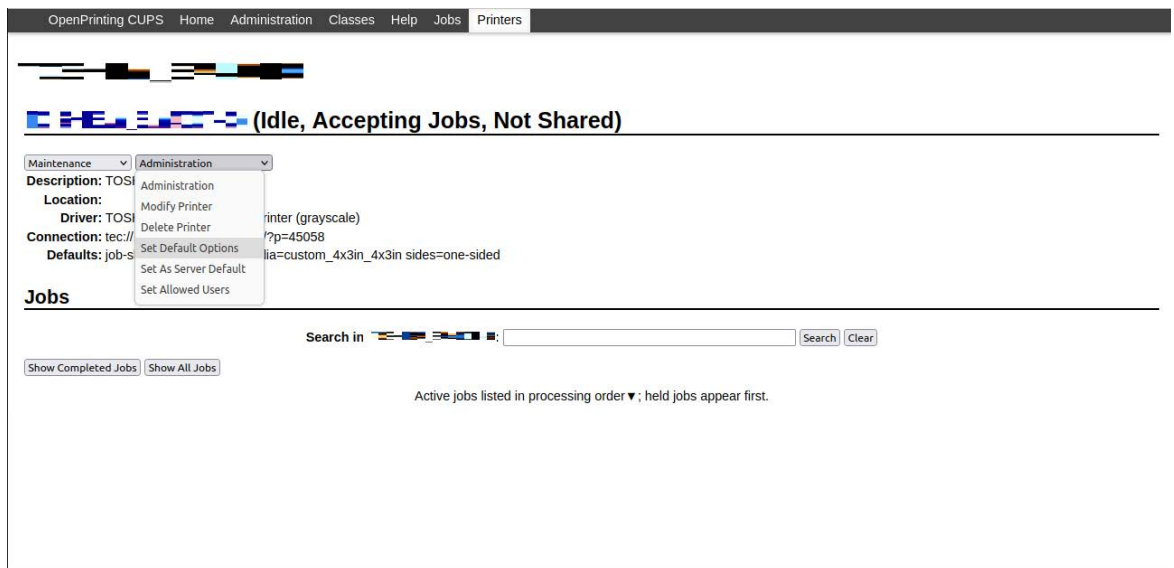
Or Provide a PPD File: No file selected.

6. On the next screen, click **Set Printer Options**.



* (If **Set Printer Options** does not appear)


Select a printer, and select **Set Default Options** from the list.



7. On next screen, set up the default options for the printer, and click **Set Default Options**.
For each setting, see “2.2 Settings”.

[OpenPrinting CUPS](#) [Home](#) [Administration](#) [Classes](#) [Help](#) [Jobs](#) [Printers](#)

Set Printer Options

Set Default Options for 

[General](#) [Image Quality](#) [Print Settings](#) [Adjustments](#) [Banners](#) [Policies](#)

General

Media Size:

Label-to-label gap:

Resolution:

Set Default Options

2.1.3 Add printer by LAN I/F

1. Under the "Printers" heading, click "Add Printer".

OpenPrinting CUPS Home Administration Classes Help Jobs Printers

Administration

Printers

Add Printer Find New Printers Manage Printers

Classes

Add Class Manage Classes

Jobs

Manage Jobs

Server

Edit Configuration File

Server Settings:

Advanced ▾

- ☐ Share printers connected to this system
 - ☐ Allow printing from the Internet
- ☐ Allow remote administration
- ☐ Use Kerberos authentication (FAQ)
- ☐ Allow users to cancel any job (not just their own)
- ☐ Save debugging information for troubleshooting

Change Settings

A prompt should appear requesting a user name and password. If such a prompt appears, enter the user name and password.

⊕ localhost:631

This site is asking you to sign in.

Username

Password

Cancel

Sign in

2. Choose "AppSocket/HP jetDirect" or "LPD/LPR Host or Printer" and click **Continue**.

If use LAN (Raw), choose "AppSocket/HP jetDirect".

If use LAN (LPR), choose "LPD/LPR Host or Printer".

[LAN (Raw)]

OpenPrinting CUPS Home Administration Classes Help Jobs Printers

Add Printer

Add Printer

Local Printers: ☐ CUPS-BRF (Virtual Braille BRF Printer)
☐ HP Printer (HPLIP)
☐ HP Fax (HPLIP)

Discovered Network Printers:

Other Network Printers: ☐ Backend Error Handler
☐ Internet Printing Protocol (ipp)
☐ Internet Printing Protocol (ipps)
☐ Internet Printing Protocol (https)
☐ LPD/LPR Host or Printer
☒ AppSocket/HP JetDirect
☐ Internet Printing Protocol (http)

Continue

[LAN (LPR)]

OpenPrinting CUPS Home Administration Classes Help Jobs Printers

Add Printer

Add Printer

Local Printers: ☐ CUPS-BRF (Virtual Braille BRF Printer)
☐ HP Printer (HPLIP)
☐ HP Fax (HPLIP)

Discovered Network Printers:

Other Network Printers: ☐ Backend Error Handler
☐ Internet Printing Protocol (ipp)
☐ Internet Printing Protocol (ipps)
☐ Internet Printing Protocol (https)
☒ LPD/LPR Host or Printer
☐ AppSocket/HP JetDirect
☐ Internet Printing Protocol (http)

Continue

3. On the next screen, select "Connection" for the printer with reference to "Examples:", and click **Continue**.

OpenPrinting CUPS

Home

Administration

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Jobs

Printers

Add Printer

Connection:

Examples:

```
http://hostname:631/ipp/
http://hostname:631/ipp/port1

ipp://hostname/ipp/
ipp://hostname/ipp/port1

lpd://hostname/queue

socket://hostname
socket://hostname:9100
```

See "[Network Printers](#)" for the correct URI to use with your printer.

4. On the next screen, select "Name", "Description" and "Location" for the printer, and click **Continue**.

OpenPrinting CUPS

Home

Administration

Classes

Help

Jobs

Printers

Add Printer

Name:

(May contain any printable characters except "/", "#", and space)

Description:

(Human-readable description such as "HP LaserJet with Duplexer")

Location:

(Human-readable location such as "Lab 1")

Connection:

Sharing: ☐ Share This Printer

5. On the next screen, scroll down in the list of printer manufacturers and select **Toshiba**, and then click **Continue**.

OpenPrinting CUPS Home Administration Classes Help Jobs Printers

Add Printer

Add Printer

Name:

Description:

Location:

Connection:

Sharing: Do Not Share This Printer

Make:

- Star
- Tally
- Tektronix
- Texas Instruments
- Toshiba**
- TOSHIBA TEC Corp.
- UTAX
- Xante
- Xerox
- Zebra

Continue

Or Provide a PPD File: No file selected.

6. Select **TOSHIBA TPCL Barcode Printer (en, en, ja)** from the list and click **Add Printer**.

OpenPrinting CUPS Home Administration Classes Help Jobs Printers

Add Printer

Add Printer

Name:

Description:

Location:

Connection:

Sharing: Do Not Share This Printer

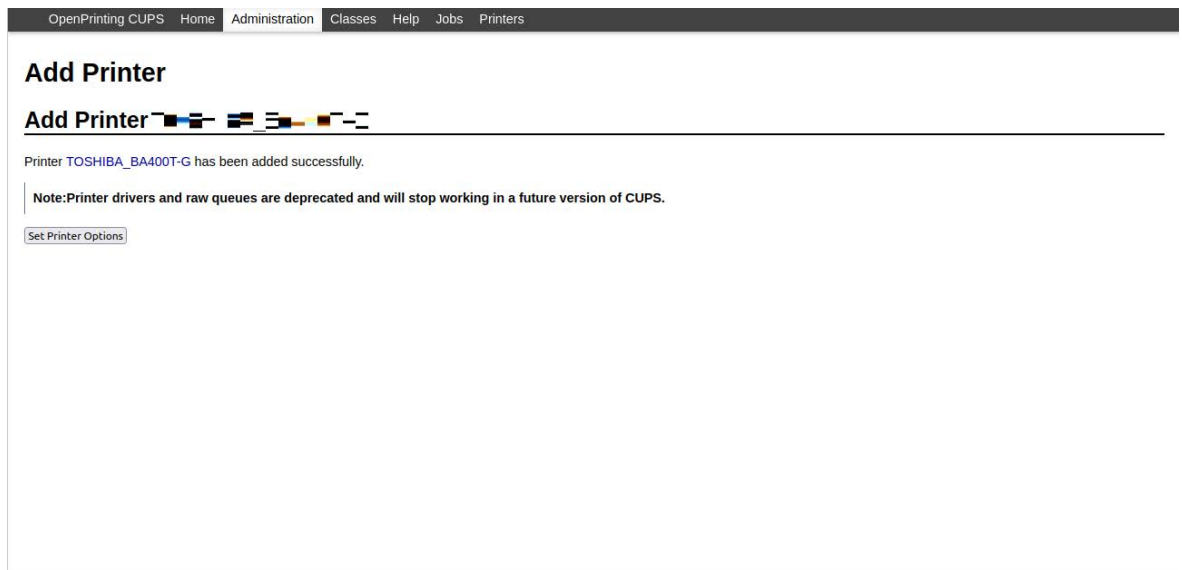
Make: Toshiba

Model:

- TOSHIBA e-STUDIO850 Series PS (en)
- TOSHIBA e-STUDIO850 Series PS (en)
- TOSHIBA e-STUDIO850 Series PS (en)
- TOSHIBA e-STUDIO3510c Series PS (en)
- TOSHIBA e-STUDIO3510c Series PS (en)
- TOSHIBA e-STUDIO3510c Series PS (en)
- TOSHIBA e-STUDIO3510c Series PS (en)
- TOSHIBA e-STUDIO1805, 2.0.0 (en)
- Toshiba GL-1010 Foomatic/Postscript (en)
- Toshiba GL-1020 Foomatic/Postscript (en)
- TOSHIBA TPCL Barcode Printer (en, en, ja)**

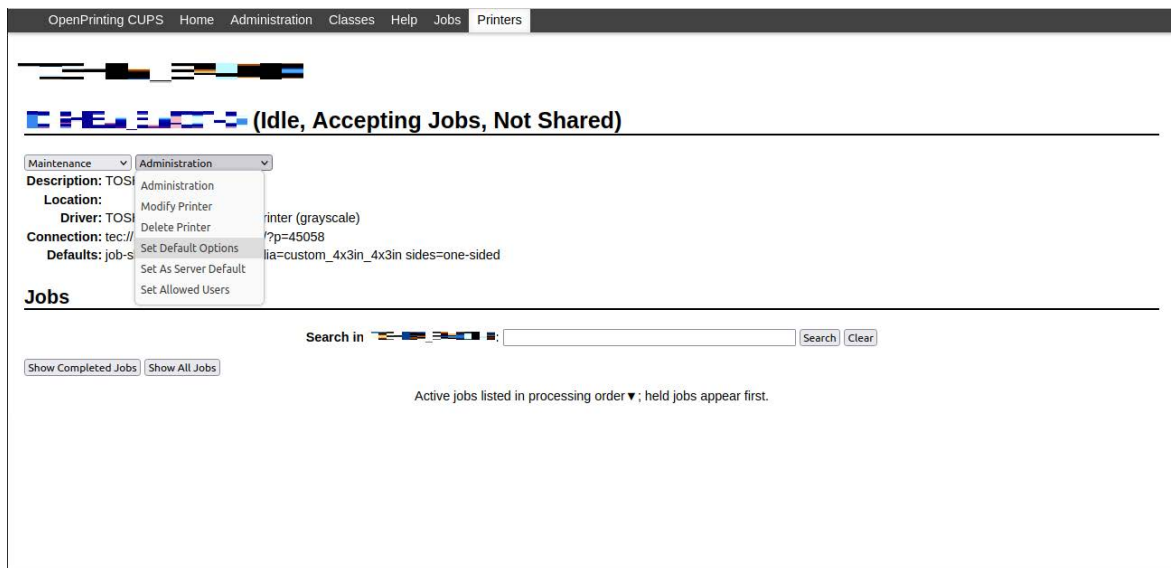
Or Provide a PPD File: No file selected.

7. On the next screen, click **Set Printer Options**.



* (If **Set Printer Options** does not appear)


Select a printer, and select **Set Default Options** from the list.



8. On the next screen, set up the default options for the printer, and click **Set Default Options**.
For each setting, see “2.2 Settings”.

[OpenPrinting CUPS](#) [Home](#) [Administration](#) [Classes](#) [Help](#) [Jobs](#) [Printers](#)

Set Printer Options

Set Default Options for 

[General](#) [Image Quality](#) [Print Settings](#) [Adjustments](#) [Banners](#) [Policies](#)

General

Media Size:

Label-to-label gap:

Resolution:

Set Default Options

2.2 Settings

Check the specifications of the use printer and set the following items.
*If a value outside the specifications is set, an error may occur on the printer.

2.2.1 General

OpenPrinting CUPS

Home

Administration



Classes

Help

Jobs

Printers

Set Printer Options

Set Default Options for  

[General](#)[Image Quality](#)[Print Settings](#)[Adjustments](#)[Banners](#)[Policies](#)

General

Media Size:

4" x 3"

Label-to-label gap:

2.0 mm

Resolution:

203 dpi

Set Default Options

◆ **Media Size**

	Set Printer Options	Command line																					
Name	Media Size	PageSize																					
Default	4" x 3"																						
Explanation	<p>Label / Tag size</p> <p>Specifies the size of the label.</p> <p>If the document size is different from the size specified by this setting, it may not print correctly.</p> <p>Even if choose "Custom" and set the size, the media sizes listed may be used by the CUPS specifications and it may not print correctly.</p> <p>When choose "Custom", the setting range is as follows.</p> <table border="1"> <thead> <tr> <th>Units</th><th>Width</th><th>Height</th></tr> </thead> <tbody> <tr> <td>Points</td><td>28.4 to 2834.3</td><td>28.4 to 28346.1</td></tr> <tr> <td>Millimeters</td><td>10.1 to 999.9</td><td>10.1 to 9999.9</td></tr> <tr> <td>Centimeters</td><td>1.01 to 99.99</td><td>1.01 to 999.99</td></tr> <tr> <td>Inches</td><td>0.4 to 39.3661</td><td>0.4 to 393.696</td></tr> <tr> <td>Feet</td><td>0.033 to 3.28</td><td>0.033 to 32.8</td></tr> <tr> <td>Meters</td><td>0.0100001 to 0.9999</td><td>0.0100001 to 9.9999</td></tr> </tbody> </table> <p>It has the calculation errors due to unit conversion.</p> <p>Check to examine the actual printout from the printer.</p>		Units	Width	Height	Points	28.4 to 2834.3	28.4 to 28346.1	Millimeters	10.1 to 999.9	10.1 to 9999.9	Centimeters	1.01 to 99.99	1.01 to 999.99	Inches	0.4 to 39.3661	0.4 to 393.696	Feet	0.033 to 3.28	0.033 to 32.8	Meters	0.0100001 to 0.9999	0.0100001 to 9.9999
Units	Width	Height																					
Points	28.4 to 2834.3	28.4 to 28346.1																					
Millimeters	10.1 to 999.9	10.1 to 9999.9																					
Centimeters	1.01 to 99.99	1.01 to 999.99																					
Inches	0.4 to 39.3661	0.4 to 393.696																					
Feet	0.033 to 3.28	0.033 to 32.8																					
Meters	0.0100001 to 0.9999	0.0100001 to 9.9999																					
Parameters	Values	Values																					
	1" x 0.5"	0.5x1Rotated.FullBleed																					
	1" x 1"	1x1.FullBleed																					
	1" x 1.5"	1x1.5.FullBleed																					
	1" x 2"	1x2.FullBleed																					
	1" x 2.5"	1x2.5.FullBleed																					
	1" x 3"	1x3.FullBleed																					
	1" x 3.5"	1x3.5.FullBleed																					
	1" x 4"	1x4.FullBleed																					
	2" x 0.5"	0.5x2Rotated.FullBleed																					
	2" x 1"	1x2Rotated.FullBleed																					
	2" x 1.5"	1.5x2Rotated.FullBleed																					
	2" x 2"	2x2.FullBleed																					
	2" x 2.5"	2x2.5.FullBleed																					
	2" x 3"	2x3.FullBleed																					
	2" x 3.5"	2x3.5.FullBleed																					
	2" x 4"	2x4.FullBleed																					
	2" x 5"	2x5.FullBleed																					
	2" x 6"	2x6.FullBleed																					
	3" x 1"	1x3Rotated.FullBleed																					
	3" x 2"	2x3Rotated.FullBleed																					
	3" x 3"	3x3.FullBleed																					
	3" x 4"	3x4.FullBleed																					
	3" x 5"	3x5.FullBleed																					
	3" x 6"	3x6.FullBleed																					
	3" x 7"	3x7.FullBleed																					

3" x 8"	3x8.FullBleed
3" x 9"	3x9.FullBleed
3" x 10"	3x10.FullBleed
4" x 1"	1x4Rotated.FullBleed
4" x 2"	2x4Rotated.FullBleed
4" x 3"	3x4Rotated.FullBleed
4" x 4"	4x4.FullBleed
4" x 5"	4x5.FullBleed
4" x 6"	4x6.FullBleed
4" x 7"	4x7.FullBleed
4" x 8"	4x8.FullBleed
4" x 9"	4x9.FullBleed
4" x 10"	4x10.FullBleed
5" x 1"	1x5Rotated.FullBleed
5" x 2"	2x5Rotated.FullBleed
5" x 3"	3x5Rotated.FullBleed
5" x 4"	4x5Rotated.FullBleed
5" x 5"	5x5.FullBleed
5" x 6"	5x6.FullBleed
5" x 7"	5x7.FullBleed
5" x 8"	5x8.FullBleed
5" x 9"	5x9.FullBleed
5" x 10"	5x10.FullBleed
6" x 1"	1x6Rotated.FullBleed
6" x 2"	2x6Rotated.FullBleed
6" x 3"	3x6Rotated.FullBleed
6" x 4"	4x6Rotated.FullBleed
6" x 5"	5x6Rotated.FullBleed
6" x 6"	6x6.FullBleed
6" x 7"	6x7.FullBleed
6" x 8"	6x8.FullBleed
6" x 9"	6x9.FullBleed
6" x 10"	6x10.FullBleed
6" x 12"	6x12.FullBleed
6" x 14"	6x14.FullBleed
6" x 16"	6x16.FullBleed
7" x 2"	2x7Rotated.FullBleed
7" x 3"	3x7Rotated.FullBleed
7" x 4"	4x7Rotated.FullBleed
7" x 5"	5x7Rotated.FullBleed
7" x 6"	6x7Rotated.FullBleed
7" x 8"	7x8.FullBleed
7" x 9"	7x9.FullBleed
7" x 10"	7x10.FullBleed
7" x 12"	7x12.FullBleed
7" x 14"	7x14.FullBleed
7" x 16"	7x16.FullBleed
8" x 2"	2x8Rotated.FullBleed
8" x 3"	3x8Rotated.FullBleed

	8" x 4"	4x8Rotated.FullBleed
	8" x 5"	5x8Rotated.FullBleed
	8" x 6"	6x8Rotated.FullBleed
	8" x 8"	8x8.FullBleed
	8" x 9"	8x9.FullBleed
	8" x 10"	8x10.FullBleed
	8" x 12"	8x12.FullBleed
	8" x 14"	8x14.FullBleed
	8" x 16"	8x16.FullBleed
	Custom	-

Command line Sample: PageSize=2x2.FullBleed

◆ Label-to label gap

	Set Printer Options	Command line
Name	Label-to-label gap	LabelGap
Default	2.0 mm	
Explanation	Gap/black mark length between labels/Tags Specifies the size of the gap between labels in millimeters (in intervals of 1mm only).	
Parameters	Values	Values
	2.0 mm	2.0
	3.0 mm	3.0
	4.0 mm	4.0
	5.0 mm	5.0
	6.0 mm	6.0
	7.0 mm	7.0
	8.0 mm	8.0
	9.0 mm	9.0
	10.0 mm	10.0
	11.0 mm	11.0
	12.0 mm	12.0
	13.0 mm	13.0
	14.0 mm	14.0
	15.0 mm	15.0
	16.0 mm	16.0
	17.0 mm	17.0
	18.0 mm	18.0
	19.0 mm	19.0
	20.0 mm	20.0

Command line Sample: LabelGap=2.0

◆ **Resolution**





	Set Printer Options	Command line
Name	Resolution	Resolution
Default	203 dpi	
Explanation	Printer head resolution This needs to match the thermal head resolution of printer.	
Parameters	Values	Values
	203 dpi	203dpi
	300 dpi	300dpi
	305 dpi	305dpi
	600 dpi	600dpi

Command line Sample: Resolution=203dpi

2.2.2 Image Quality

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Image Quality

Document Type: Text and barcodes

Image darkness: Normal

Set Default Options

◆ Document Type

	Set Printer Options	Command line
Name	Document Type	DocumentType
Default	Text and barcodes	
Explanation	If the document contains only text and barcodes, choose "Text and barcodes". Documents that contain graphic representations of text and barcodes should also print nicely with this setting. If the document contains graphics (such as a logo), choose "Graphics and logos". This will attempt to emulate shades of grey when printing the document. This can sometimes produce "fuzzy edges" when printing images of barcodes, so in that case, use "Text and barcodes" instead.	
Parameters	Values	Values
	Text and barcodes	TextBarcode
	Graphics and logos	Graphics

Command line Sample: DocumentType=TextBarcode

◆ **Image darkness**





	Set Printer Options	Command line
Name	Image darkness	ImageDarkness
Default	Normal	
Explanation	<p>When "Document Type" is set to "Text and barcode", this determines what shades of grey should be converted to white, and what shades should be converted to black.</p> <p>When "Document Type" is set to "Graphics and logos", this setting adjusts the curve of brightness.</p>	
Parameters	Values	Values
	Lightest	Lightest
	Lighter	Lighter
	Light	Light
	Normal	None
	Dark	Dark
	Darker	Darker
	Darkest	Darkest

Command line Sample: ImageDarkness=None

2.2.3 Print Settings

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Set Printer Options

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Print Settings

Command characters:

Compression:

Cut interval:

Sensor:

Issue Mode:

Print Speed:

Print Method:

◆ **Command characters**

	Set Printer Options	Command line
Name	Command Characters	CommandCharacters
Default	Use curly brackets and pipe, { }	
Explanation	<p>Control code of TPCL Command</p> <p>If choose "Use curly brackets and pipe, { }", the TPCL command data sent to the printer will use curly brackets and pipe (ASCII values 7Bh, 7Ch, and 7Dh).</p> <p>If choose "Use control characters, ESC LF NUL ", the TPCL command data sent to the printer will use ESC, LF and NUL (ASCII values 1Bh, 0Ah, 00h).</p> <p>This needs to match the control code set on the printer.</p>	
Parameters	Values	Values
	Use curly brackets and pipe, { }	Readable
	Use control characters, ESC LF NUL	Unreadable

Command line Sample: CommandCharacters=Readable

◆ **Compression**

	Set Printer Options	Command line
Name	Compression	Compression
Default	Automatic	
Explanation	Graphic data compression method If choose "None", bitmap data is uncompressed. If choose "Automatic", bitmap data will be compressed only if the compressed size is smaller than the uncompressed size. If choose "TOPIX Compression", bitmap data is TOPIX compressed.	
Parameters	Values	Values
	None	None
	Automatic	Auto
	TOPIX Compression	TOPIX

Command line Sample: Compression=Auto

◆ **Cut interval**

	Set Printer Options	Command line
Name	Cut interval	CutInterval
Default	None	
Explanation	Cut method for printing	
Parameters	Values	Values
	None	None
	Cut every label	1
	Cut only last label	Last

Command line Sample: CutInterval=None

◆ **Sensor**

	Set Printer Options	Command line
Name	Sensor	Sensor
Default	None	
Explanation	Sensor type for printing For detect black mark on the back of the label, choose "Reflective sensor". For detect the gaps between the labels, choose "Transmissive sensor".	
Parameters	Values	Values
	None	None
	Reflective sensor	Reflective
	Transmissive sensor	Transmissive
	Transmissive sensor (Manual Threshold)	TransmissiveManualThreshold
	Reflective sensor (Manual Threshold)	ReflectiveManualThreshold

Command line Sample: Sensor=None

◆ **Issue Mode**

	Set Printer Options	Command line
Name	Issue mode	IssueMode
Default	Continuous	
Explanation	<p>The operating mode for issuing labels.</p> <p>If a disk cutter is installed and cut, choose "Continuous".</p> <p>If a partial cutter is installed and cut, choose "Partial Cut".</p> <p>If a linerless cutter is installed and cut, choose "Linerless Cut".</p> <p>If cut, need to set "Cut interval".</p> <p>If a strip module is installed and strip, choose "Strip".</p>	
Parameters	Values	Values
	Continuous	Continuous
	Strip	Strip
	Strip (applicator)	StripApplication
	Partial Cut	PartialCut
	Linerless Cut	LinerlessCut

Command line Sample: IssueMode=Continuous

◆ **Print Speed**

	Set Printer Options	Command line
Name	Print Speed	PrintSpeed
Default	2 ips	
Explanation	<p>Speed for printing</p> <p>Choose the speed to printing (in inches per second). Not all print speeds are available for all models, and some print speeds may not be used with certain resolutions or in conjunction with other options.</p>	
Parameters	Values	Values
	1 ips	1
	2 ips	2
	3 ips	3
	4 ips	4
	5 ips	5
	6 ips	6
	7 ips	7
	8 ips	8
	9 ips	9
	10 ips	10
	11 ips	11
	12 ips	12
	13 ips	13
	14 ips	14

Command line Sample: PrintSpeed=2

◆ **Print Method**

	Set Printer Options	Command line
Name	Print Method	PrintMethod
Default	Thermal transfer	
Explanation	Method for printing(whether to use ribbon) When without ribbon, choose "Direct thermal". When with ribbon, choose "Thermal transfer".	
Parameters	Values	Values
	Direct thermal	DirectThermal
	Direct thermal (head up)	DirectThermalHeadUp
	Thermal transfer	ThermalTransfer
	Thermal transfer (ribbon saving)	ThermalTransferRibbonSaving

Command line Sample: PrintMethod=DirectThermal

2.2.4 Adjustments

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Adjustments

Feed adjustment:

No adjustment

Back feed adjustment:

No adjustment

Cut or strip adjustment:

No adjustment

Tone adjustment (thermal transfer):

No adjustment

Tone adjustment (direct thermal):

No adjustment

Set Default Options

◆ **Feed adjustment**

	Set Printer Options	Command line
Name	Feed adjustment	FeedAdjustment
Default	No adjustment	
Explanation	Adjusts the amount of feeding, specified in millimeters.	
Parameters	Values	Values
	-10.0 mm	-10.0
	-9.0 mm	-9.0
	-8.0 mm	-8.0
	-7.0 mm	-7.0
	-6.0 mm	-6.0
	-5.0 mm	-5.0
	-4.0 mm	-4.0
	-3.0 mm	-3.0
	-2.0 mm	-2.0
	-1.0 mm	-1.0
	-0.0 mm	-0.0
	No adjustment	None
	0.0 mm	0.0
	1.0 mm	1.0
	2.0 mm	2.0
	3.0 mm	3.0
	4.0 mm	4.0
	5.0 mm	5.0
	6.0 mm	6.0
	7.0 mm	7.0
	8.0 mm	8.0
	9.0 mm	9.0
	10.0 mm	10.0

Command line Sample: FeedAdjustment=1.0

◆ **Back feed adjustment**

	Set Printer Options	Command line
Name	Back feed adjustment	BackFeedAdjustment
Default	No adjustment	
Explanation	Adjusts the amount of backfeed, specified in millimeters.	
Parameters	Values	Values
	-9.0 mm	-9.0
	-8.0 mm	-8.0
	-7.0 mm	-7.0
	-6.0 mm	-6.0
	-5.0 mm	-5.0
	-4.0 mm	-4.0
	-3.0 mm	-3.0
	-2.0 mm	-2.0
	-1.0 mm	-1.0
	-0.0 mm	-0.0
	No adjustment	None
	0.0 mm	0.0
	1.0 mm	1.0
	2.0 mm	2.0
	3.0 mm	3.0
	4.0 mm	4.0
	5.0 mm	5.0
	6.0 mm	6.0
	7.0 mm	7.0
	8.0 mm	8.0
	9.0 mm	9.0

Command line Sample: BackFeedAdjustment=1.0

◆ **Cut or strip adjustment**

	Set Printer Options	Command line
Name	Cut or strip adjustment	CutStripAdjustment
Default	No adjustment	
Explanation	Adjusts the value for the cut or strip position, specified in millimeters.	
Parameters	Values	Values
	-10.0 mm	-10.0
	-9.0 mm	-9.0
	-8.0 mm	-8.0
	-7.0 mm	-7.0
	-6.0 mm	-6.0
	-5.0 mm	-5.0
	-4.0 mm	-4.0
	-3.0 mm	-3.0
	-2.0 mm	-2.0
	-1.0 mm	-1.0
	-0.0 mm	-0.0
	No adjustment	None
	0.0 mm	0.0
	1.0 mm	1.0
	2.0 mm	2.0
	3.0 mm	3.0
	4.0 mm	4.0
	5.0 mm	5.0
	6.0 mm	6.0
	7.0 mm	7.0
	8.0 mm	8.0
	9.0 mm	9.0
	10.0 mm	10.0

Command line Sample: CutStripAdjustment=1.0

◆ **Tone adjustment (thermal transfer)**

	Set Printer Options	Command line
Name	Tone adjustment (thermal transfer)	ToneAdjustmentThermalTransfer
Default	No adjustment	
Explanation	Print density fine adjustment for thermal transfer The negative values will decrease the print density, whereas the positive values will increase the print density.	
Parameters	Values	Values
	-20	-20
	-19	-19
	-18	-18
	-17	-17
	.	.
	.	.
	.	.
	-3	-3
	-2	-2
	-1	-1
	-0	-0
	No adjustment	None
	+0	0
	+1	1
	+2	2
	+3	3
	.	.
	.	.
	.	.
	+17	17
	+18	18
	+19	19
	+20	20

Command line Sample: ToneAdjustmentThermalTransfer=1

◆ **Tone adjustment (direct thermal)**

	Set Printer Options	Command line
Name	Tone adjustment (direct thermal)	ToneAdjustmentDirectThermal
Default	No adjustment	
Explanation	Print density fine adjustment for direct thermal The negative values will decrease the print density, whereas the positive values will increase the print density.	
Parameters	Values	Values
	-20	-20
	-19	-19
	-18	-18
	-17	-17
	.	.
	.	.
	.	.
	-3	-3
	-2	-2
	-1	-1
	-0	-0
	No adjustment	None
	+0	0
	+1	1
	+2	2
	+3	3
	.	.
	.	.
	.	.
	+17	17
	+18	18
	+19	19
	+20	20

Command line Sample: ToneAdjustmentDirectThermal=1

3. Limitations

- ◆ Always use the same USB port that was connected when added the printer by "Add Printer".
- ◆ Available is only the first added printer even if added multiple printers by "Add Printer" for one printer hardware.
- ◆ Do not instruct printing to exceed the printer's receive buffer.
The printer may occur error or may not work properly.

4. Notes

- ◆ No description

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