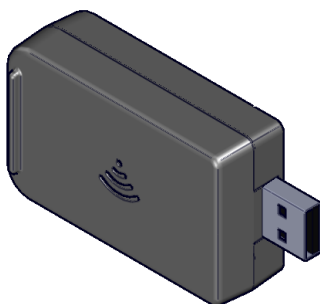




Wi-Fi Module Upgrade Installation Instructions



These instructions apply to the Entrust Sigma DS1, DS2, and DS3 Direct to Card Printer and the Entrust Sigma DS4 Instant Financial Issuance System and the following upgrade kits:

Upgrade Kit Number	DS1	DS2	DS3	DS4
529805-001 Wi-Fi Module Upgrade	Yes	Yes	Yes	Yes



The Wi-Fi module requires printer firmware version D4.2.1-SP1 or newer.

Make sure the printer firmware is updated before the installation of the Wi-Fi module with the printer.

Agency Compliance Information

Refer to the WX15 Declaration of Conformity document on the Entrust Environmental and Product Certifications web page.

<https://www.entrust.com/legal-compliance/environmental-product-certifications>

Click **RoHS** > **WX15**.

California Proposition 65 Compliance

WARNING: This product contains chemicals, including lead, known to the State of California to cause cancer, and birth defects or other reproductive harm. ***Wash hands after handling.***

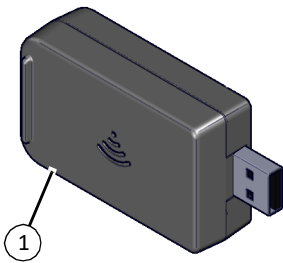


Warning: This product can expose you to chemicals including Di(2-ethylhexyl) phthalate (DEHP), which is known to the State of California to cause cancer, and Di(2-ethylhexyl)phthalate (DEHP) and Butyl benzyl phthalate (BBP), which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov and <https://www.entrust.com/legal-compliance/environmental-product-certifications>.

Upgrade Kit Contents

The following parts are included in the upgrade kit:

Item	Qty.	Description
1	1	Wi-Fi Module



Additional Tools and Materials

Items not supplied with this kit:

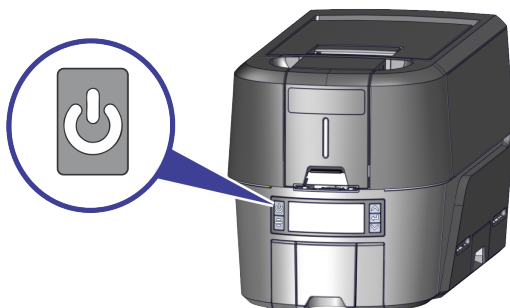
- The printer’s *Installation and Administrator’s Guide*

Installation Procedure

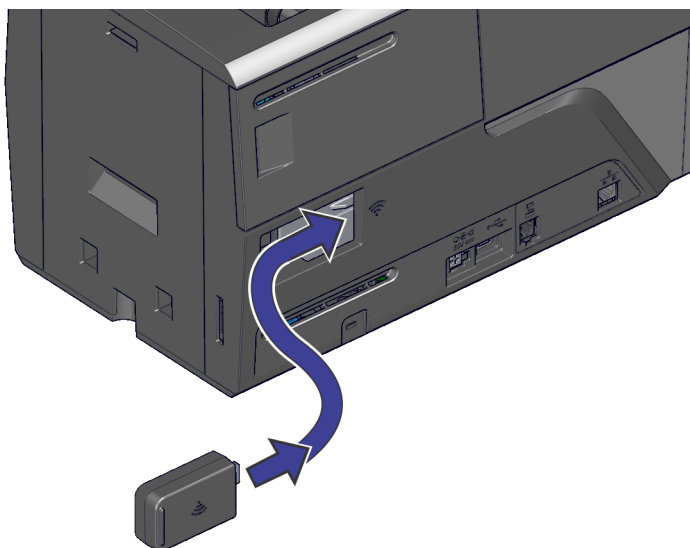
The installation of this upgrade kit adds a Wi-Fi Module. This enables the printer to be connected to a Wi-Fi network.

Install the Hardware

1. Press the power button to power down the printer.



2. Install the Wi-Fi Module into the open port on the side of the printer until it is locked into place.



3. Press the power button to power on the printer.

Configure the Wi-Fi Network Connection

Connect the printer to the network using the Wi-Fi hardware installed.



Configuration of a Wi-Fi network connection requires an initial wired Ethernet or USB connection. After a wired connection from the printer to a computer has been established, access Printer Dashboard to configure the Wi-Fi network connection.

1. Connect to the printer using a wired (Ethernet or USB) connection.



If you plan to connect the printer using a USB connection, install the driver first and do not plug in the USB cable until directed by a message in the driver installer.

2. Access Printer Dashboard.

- a. Press the up or down arrow key while the LCD panel displays **Ready**. Continue pressing the up or down arrow key until the printer's IP address displays on line 3 of the LCD with a QR code for mobile access.



- b. With the printer and a browser connected device on the same network, enter the printer's IP address in a browser window (for example, <https://12.3.456.789>) or scan the QR code.
- c. Log on to Printer Dashboard with an administrator user account.



Printer Dashboard will require the setup on an initial administrator user account if this is first time the printer has been accessed.

3. Configure the settings for the wireless network.
- a. At the start icon in Printer Dashboard, click **Configuration > Settings > Wifi Network Station Setup**.

Use the settings in this menu to configure the Wi-Fi connection. The only menu items that initially have values are WifiAddressMethod and WifiMacAddress.

- ◆ The default WifiAddressMethod is set to DHCP.
- ◆ The WifiMacAddress displays the Mac Address of the Wi-Fi Module.

admin

Settings

Change Settings

Subsystem

WifiNetworkStationSetup

Search

Subsystem	Name	Current Value	Default Value	Allowed Range
WifiNetworkStationSetup	WifiAddressMethod	DHCP	DHCP	
WifiNetworkStationSetup	WifiDnsAddress1	0.0.0.0	0.0.0.0	
WifiNetworkStationSetup	WifiDnsAddress2	0.0.0.0	0.0.0.0	
WifiNetworkStationSetup	WifiDnsSearchSuffix			
WifiNetworkStationSetup	WifiGatewayAddress	0.0.0.0	0.0.0.0	
WifiNetworkStationSetup	WifiIpAddress	0.0.0.0	0.0.0.0	
WifiNetworkStationSetup	WifiMacAddress	00:0e:8e:76:9f:f1		
WifiNetworkStationSetup	WifiPassword			
WifiNetworkStationSetup	WifiSecurityMode	WPA2_Personal	WPA2_Personal	
WifiNetworkStationSetup	WifiSSID	GuestL_WIFI		
WifiNetworkStationSetup	WifiSubnetMask	0.0.0.0	0.0.0.0	

DOWNLOAD

UPLOAD

SAVE

- b. Configure the printer to use either DHCP or STATIC networking.



Obtain all required network configuration information from the network administrator before connecting the printer.

DHCP

Enter the following values to connect the printer if using DHCP networking:

- ◆ WifiSecurityMode: Select the type of wireless security to use from the drop-down list (None, or WPA2).
- ◆ WifiPassword: Enter the password used for secure access to Wi-Fi.
- ◆ WifiSSID: Enter the SSID (network name) of the network to which the printer is connecting.

STATIC

Enter the following values to connect the printer if using STATIC networking:

- ◆ WifiAddressMethod: Select **STATIC**.
- ◆ WifiGatewayAddress: Enter the gateway address of the network to which the printer is connecting.
- ◆ WifiIpAddress: Enter the IP address of the network to which the printer is connecting.
- ◆ WifiSecurityMode: Select the type of wireless security to use from the drop-down list (None, or WPA2_Personal).
- ◆ WifiPassword: Enter the password used for secure access to Wi-Fi.
- ◆ WifiSSID: Enter the SSID (network name) of the network to which the printer is connecting.

- c. Click **Save** to save the settings.

4. Turn on the Wi-Fi option.
 - a. At the start icon in Printer Dashboard, click **Configuration > Settings > WifiModes**.
 - b. In WifiMode, click the drop-down list and select **Station**.
 - c. Click **Save**.

The screenshot shows the 'Settings' page in the Printer Dashboard. At the top, there is a purple header bar with a menu icon on the left and 'admin' with a dropdown arrow on the right. Below the header, the page is titled 'Settings'. Underneath, there is a section labeled 'Change Settings'. On the left, there is a 'Subsystem' dropdown menu currently set to 'WifiModes'. To the right of this is a search bar with the placeholder text 'Search' and a magnifying glass icon. Below these elements is a table with the following structure:

Subsystem	Name	Current Value	Default Value	Allowed Range
WifiModes	WifiMode	Station ▾	Disabled	

At the bottom right of the table area, there are three buttons: 'DOWNLOAD', 'UPLOAD', and 'SAVE'.

5. Unplug the USB or ethernet cable after the wireless connection is established.

Check the Wi-Fi Connection

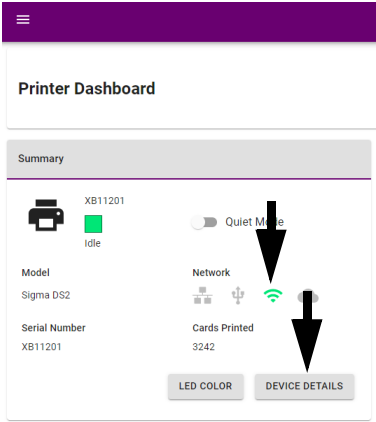
Check Printer Dashboard to confirm the correct installation of the Wi-Fi hardware and network configuration.



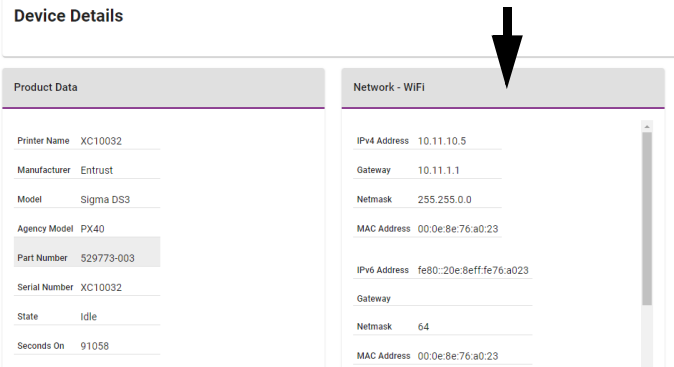
The Wi-Fi connection status can be found with an icon on the front panel of the printer.



1. At the start icon in Printer Dashboard, click **Home > Printer Dashboard**. The Wi-Fi icon displays green under the summary.
2. Click **DEVICE DETAILS**.

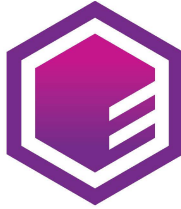


The Wi-Fi network connection information displays.



Notes

Notes



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