

TM-Parcel Peripheral agent Installation guide

TM-Parcel UI supports integration with various scales to read weights, and printers for 'client-side printing'. Up to TM-parcel version 22.3.0, this functionality was supported by ActiveX controls on IE or Edge in IE mode.

Starting with version 22.4.0, TM-Parcel supports Chrome browser, which does not support ActiveX controls. Therefore, ActiveX controls have been replaced with a new Peripheral Agent.


The Peripheral Agent is an electron app, which is a self-contained lightweight web application; that is deployed on the shipper's workstation.

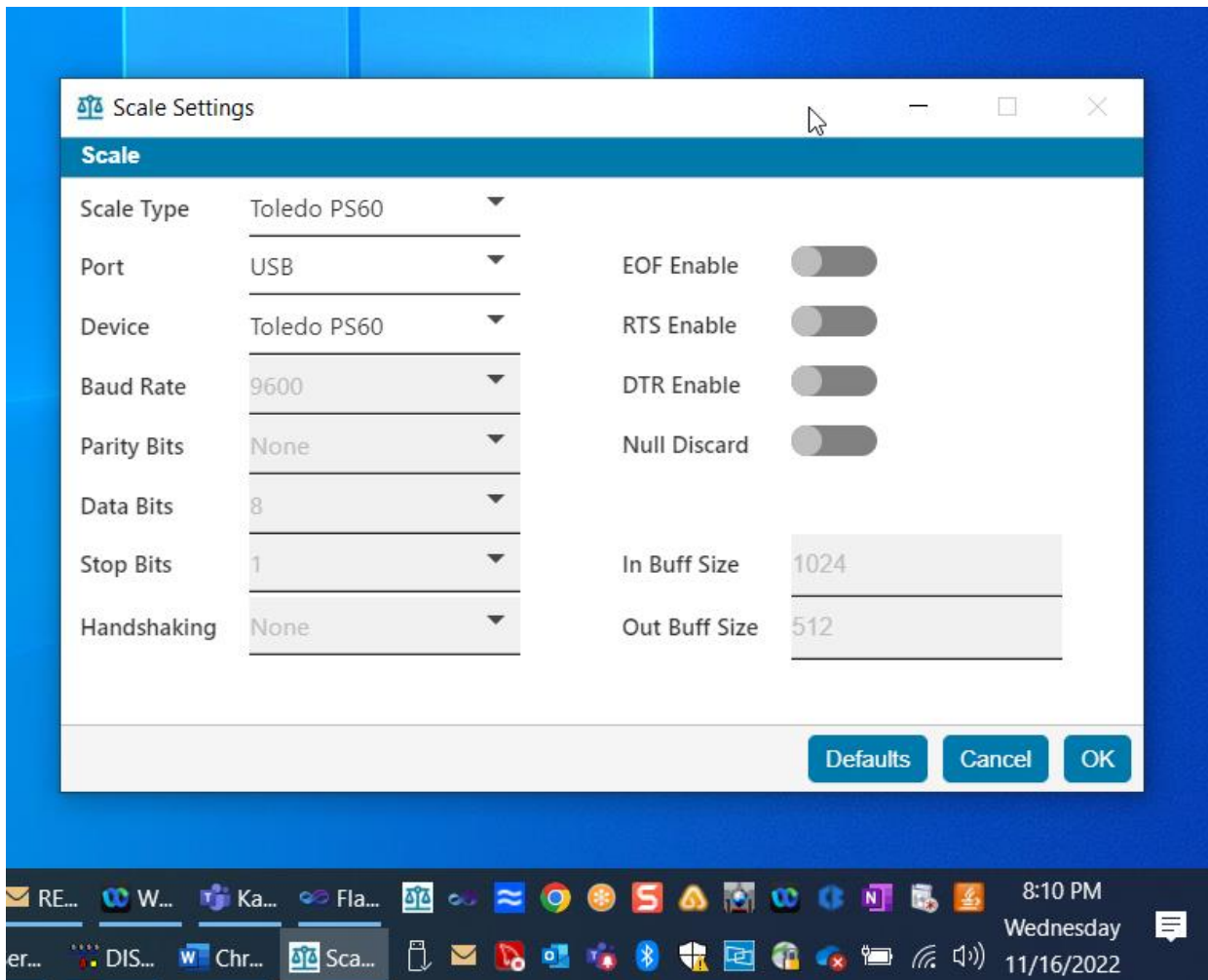
This agent is currently distributed as a 'zip' package. Please follow the steps below to install it.

Pre-requisites:

Please ensure the person installing the Peripheral Agent has the necessary permissions to install a windows system tray application. And, the users/shippers must have the ability to run the application.

Installation Steps:

1. Extract contents of ParcelPeripheralAgent-23.2.0.zip to the target location.
 - a. Ex: C:\Program Files\Open\Parcel\UI\ParcelPeripheralAgent
2. Install VC++ 2019 redistributable (if needed). Double click on `VC_redist.x64.exe` included in the package.
3. Right click on `InstallPeripheralAgentAndCertificates.bat` and "Run as an administrator" to install the local cert to windows cert store.
4. Double click on `ParcelPeripheralAgent.exe` to install the agent in the Windows System Tray.
5. After this step, you should see a scale icon  in the windows system tray.



Change Defaults:

If you ever need to modify the default configuration, you can do so in the Peripheral Agent configuration page. It is in the following location on the shipping workstation.

<Peripheral Agent Install Location>\resources\app\src\config\default.json

Ex: C:\Program Files\e2open\Parcel\UI\ParcelPeripheralAgent\resources\app\src\config\default.json

It is a JSON file and below are the settings you can change.

```
{  
  "httpPort": 9080,  
  "httpsPort": 9070,  
  "logLevel": "error",
```

```
"logFile":"log/peripheral_agent_log.log"
```

```
}
```

Setting Name	Description	Valid values	Comments
httpPort	This is the port on which the Peripheral Agent accepts HTTP connections	Default is 9080. You can change it to any desired port number in the available Windows port range	
httpsPort	This is the port on which the Peripheral Agent accepts HTTPS connections	Default is 9070. You can change it to any desired port number in the available Windows port range	
logLevel	This is the log level setting for the Peripheral Agent log file	Default is 'error'. The other supported value is 'info'	Info – Turns on verbose logging useful for troubleshooting
logFile	Use this to configure the log location and log file name	A relative windows file path including the file name. This is relative to the Peripheral Agent install folder	

Please update as needed, save the file, and restart the Peripheral Agent.

Enabling Parcel UI to use the Peripheral Agent:

In-order for the TM-Parcel UI to use the Peripheral Agent, it needs to be enabled. This can be done on the User Profile (My Profile) screen.

Setting Name	Description	Valid values	Comments
Use Peripheral Agent	Switch to enable TM-Parcel UI to use the Peripheral Agent	Turned off by default	
Peripheral Agent URL	The URL used by TM-Parcel UI to connect to the Peripheral Agent	Default is: https://localhost:9070 http url: http://localhost:9080	Note the ports (9070 and 9080) should match the listening ports on the Peripheral Agent. See previous section for more details.
Use ScaleX ActiveX (IE Mode Only)	Switch to enable ScaleX ActiveX control	Turned off by default	Applicable to Edge in IE mode only. Has no impact on Chrome browser. When turned on, Users on Edge in IE mode will use ScaleX to interface with scales.

e2open Global Parcel
Location: [Kewill Chelmsford](#)
Ship Date: [11/16/2022](#)
Workstation Name/IP: [Click to Select Workstation](#)
administrator

Ship Track My Profile System Workstation UCM Help

My Profile

Sender Return To Application Password Tracking Address Book Notification

Document and Forms

Records per page: 20 Setting this value high may degrade performance
Home Page: Warehouse
Language: English
Date Format: mm/dd/yyyy
Carrier: OURTRUCK
Service:
Parcel Packaging Type: User Packaging
Billing Type: Prepaid
Unit of Weight: LB
Use Peripheral Agent: ☒
Peripheral Agent Url: <https://localhost:9070>
Use Scale ActiveX (IE mode only): ☐
Weight Polling Interval: 3600
Unit of Measurement: IN
Country: Canada
Address Suggest: Suppress
Return Service: COUTR - East Coast Trucking
Print Outbound Return Label: None
Shipment timeout period (sec): 10 This Will be used for batch and group shipments
Multi-Piece Shipment Type: Weigh Total Shipment
Customer Charge:
Customer Charge Type: Percentage
PNG Image Size Modifier: 1

DELETE ALL RESET ALL SAVE

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Enabling Client-Side Printing

To enable client-side printing, configure as follows:

1. Set 'usePrintAgent' value in didb.settings table to 't'. A value of 'f' will turn it off
2. Set 'LabelClientPrint' value in didb.settings table to 'y'. A value of 'n' will turn it off

```
1 SELECT * FROM didb.settings WHERE key_name IN ('usePrintAgent', 'LabelClientPrint', 'ReportClientPrint', 'show_workstation_selection');
2
<
1 Result 2 Profiler 3 Messages 4 Table Data 5 Info
(Read Only)
Limit rows First row
```

machine_name	domain	sub_domain	key_name	key_value	display_name	value_type
ALL	ui-app	global	ReportClientPrint	N	1B 'Y' : It will print the Report on customer (client) Side	
ALL	ui-app	global	LabelClientPrint	y	1B 'Y' : It will print the Lable on customer (client) Side	
ALL	ui-app	global	usePrintAgent	t	1B Flag to enable/disable usePrintAgent Control	
ALL	ui-app	global	show_workstation_selection	y	1B Flag to show workstation name dropdown	