

Configuring the Scale Ports in Electron and the Scale weight reading in a Scale Ticket

Note: The same configuration must be done on multiple instances of **i21 Electron** within the Network.

- If you have a running existing Scale service, you need to turn off the service for this to work.

Make sure you have **i21 Electron** installed and then log into i21.

Open the **Physical Scale** screen from the i21 menu - **Ticket Management > Physical Scales**.

Setup the Physical Scale. In this screen, configure the Motion Detection, Weight and Check Date/Time. If you have a running Scale Service, there is no need to change the setup.

Note: this is connected to the scale device setup.

Physical Scale

NewSaveSearchDeleteUndoClose

Details

Physical Equipment ID *1Connection TypeDatabase

DescriptionScale 1

Weight Stability CheckSingleNTEP Capacity220,000

File Connection Type

Filename

Path

Motion Detection

Enabled☒

Starting Column1

Field Length3

Motion Character(

Weight

Starting Column3

Field Length6

Check Date/Time

Enabled☒

Starting Column19

Field Length14

Test

Motion

Weight

Date Check

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Refresh

Open the Scale Station Setting screen from **Ticket Management menu > Scale Station Settings**.

Under the **General / Hardware** tab > **Hardware** panel, make sure the selected Physical Equipment ID is selected.

Scale Station Settings

New Save Search Delete Undo Close

Station ID: FWA Description: Fort Wayne Active ☒

General / Hardware Options Defaults Email Printing Attachments Audit Log Activities

Ticket Pool: 01 Working Location: 0001 - Fort Wayne Interface Type: Standard Search Address: Enter address to search... Address: Address City: State: Zip/Postal: Country: Phone:

Hardware

Scale ID 1: Scale 1 Scale ID 2: Scale 2

Physical Equipment ID	Description
1	Scale 1
2	Scale 2
3	scale 3

Scale UOM: Disable Scale 1: Disable Scale 3: Multiple Weights: Allow Zero Tare Weights: Grader 1 ID: Grader 2 ID:

Setup

Allow Manual Tickets: Last Weigher: IRELY ADMIN Scale Processing: Real Time

Site Manager

Test Connection

Host: Port: Protocol: Logon Type: User:

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Once you are done, select the **File** menu and click **i21 Scale Ports**.

Click the **Add** button.

i21 Scale Ports

#	Port	P.E. ID	Device Type	Handshake	Baud Rate	Parity	Data Bits	Stop Bits	Action
No records found									

Add Close

Configure the i21 Scale Port.

- **Port** - enter the 3rd COM Port from the starting COM. For example, if the Starting COM selected is COM10, your port here is COM12.
- **Physical Equipment ID** - enter the Physical Equipment ID of your Physical Scale.
- **Handshake** - select X0nX0ff

Click **Save**.

i21 Scale Port

Port COM12	Physical Equipment ID 1	Device Type Scale
Handshake XOnXOff	Baud Rate 9600	Parity None
Data Bits 8	Stop Bits 1	

Save Cancel

This will bring you to the i21 Home page.

Check if Scale Head is getting the same weights on different computers:

- From the **Ticket Management** menu, select **Tickets**, click **Station**.
Note: make sure the correct Scale Station is selected.
- Click **New** to create a Scale Ticket
- Initial loading of the new Ticket screen, no scale reading is showing up in Scale head.

Ticket - FWA - (SCT-2383)

New Save Delete Undo Contract Load Sales Print Undistribute Void CPE Receipt Close

Details Attachments Audit Log Activities

Ticket No: SCT-2383 Driver: Truck Id: Entity: Reference: Item: Distribution: Location: 0001 - Fort Wayne Stor. Location: Pit: Storage Unit: Plate No: Comments:

Scale Options

monster scale 10/03/20 Freight Per Unit 0.000 Deduct from Vendor Hauler Fees 0.000 Deduct Fees from Entity Futures 0.000 Basis 0.000 Farm/Field Grades Weights Driver On Scale Operator IRELY AD

Scale 1 : No NTEP Capacity

Gross (F3) Stable 0 lb
Tare (F4)

Weight Details

Gross Weight 0
Tare Weight 0
Net Weight 0
Gross Units 0
Shrink Units
Net Units

Trucks in Yard

Ticket No.	Type	Entity Name	Loc	Status
SCT-2379	Load Out	A1 Port...	000...	O
1357	Load In	A & A C...	000...	O
1356	Load In	Adept	000...	O
SCT-2373	Load In		000...	O
SCT-2370	Load In		000...	O
1355	Load In	Adept	000...	O
1354	Load In	A1 Port...	000...	O
1351	Load In	A1 Port...	000...	R
1349	Load In	Cintas	000...	O

Grades / Readings Split Details

Discount Schedule Comment Export View Filter (F3) Discount Code Reading Discount

Split Export View Filter (F3) Entity Percent Dist

2.27s Edited Refresh

- Tune the scale device simulator to get the **Scale Weight** reading. This will appear in Scale Ticket screen.



Use the hot key (**F3**) or click the **Gross** button to get the Scale weight to display it in **Gross Weight** field.

Ticket - FWA - (SCT-2383)

New Save Delete Undo Contract Load Sales Print Distribute Undistribute Void CPE Receipt Close

Details Attachments Audit Log Activities

Ticket No: SCT-2383 Driver: Type: Load In Truck Id: Vendor: A1 Portal Farms, Inc Reference: Item: CORN Distribution: Open Storage Location: 0001 - Fort Wayne Stor. Location: Pit: Storage Unit: Plate No.: Comments:

Scale Options

monster scale 10/03/20 Freight Per Unit 0.000 Deduct from Vendor ☐ Hauler: Fees 0.000 Deduct Fees from Vendor ☐ Futures 0.000 Basis 0.000 Storage Schedule: Corn Sto Farm/Field: Grades: Weights: Delivery Sheets: Driver On: ☒ Scale Operator: IRELY AD

Scale 1: No NTEP Capacity

Gross (F3) **Stable** **66680 lb**

Tare (F4)

Weight Details

Gross Weight 66,680 Tare Weight 0 Net Weight 66,680 Gross Units 1190.7143 Bushels Shrink Units 8.335 Bushels Net Units 1182.3793 Bushels

Trucks In Yard

Export View Filter (F3)

Ticket No.	Type	Entity Name	Loc	Status
SCT-2379	Load Out	A1 Port...	000...	O
1357	Load In	A & A C...	000...	O
1356	Load In	Adept	000...	O
SCT-2373	Load In		000...	O
SCT-2370	Load In		000...	O
1355	Load In	Adept	000...	O
1354	Load In	A1 Port...	000...	O
1351	Load In	A1 Port...	000...	R
1349	Load In	Cintas	000...	O

Grades / Readings

Discount Schedule 1 Comment: Commodity Grade:

Export View Filter (F3)

Discount Code	Reading	Discount
Corn Test We...	0	0.66
Corn Moisture	15	0.02
Corn Damage	1	0.01

Split Details

Split: Export View Filter (F3)

Entity	Percent	Dis
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? 2.27s Saved Refresh

Tune the scale device simulator again to get the scale weight reading for **Tare Weight**.



This will appear in Scale Ticket screen.

Use the hot key (**F4**) or click the **Tare** button to get the Scale weight to display it in **Tare Weight** field.

Ticket - FWA - (SCT-2383)
New Save Delete Undo Contract Load Sales Print Distribute Undistribute Void CPE Receipt Close

Details Attachments Audit Log Activities

Ticket No SCT-2383 Driver
Type Load In Truck Id
Vendor A1 Portal Farms, In Reference
Item CORN
Distribution Open Storage
Location 0001 - Fort Wayne
Stor. Location Pit
Storage Unit
Plate No.
Comments

Grades / Readings
Discount Schedule 1
Comment
Commodity Grade
Export View Filter (F3)

Discount Code	Reading	Discount
Corn Test We...	0	0.66
Corn Moisture	15	0.02
Corn Damage	1	0.01

Split Details
Split
Export View Filter (F3)

Entity	Percent	Disi
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Scale Options
monster scale 10/03/20
Freight Per Unit 0.000
Deduct from Vendor
Hauler
Fees 0.000
Deduct Fees from Vendor
Futures 0.000
Basis 0.000
Storage Schedule Corn Sto
Farm/Field
Grades
Weights
Delivery Sheets
Driver On
Scale Operator IRELY AD

Scale 1 : No NTEP Capacity
Gross (F3) Stable 33340 lb
Tare (F4)
Weight Details

Gross Weight	66,680
Tare Weight	33,340
Net Weight	33,340
Gross Units	595.3571 Bushels
Shrink Units	4.1675 Bushels
Net Units	591.1896 Bushels

Trucks in Yard
Export View Filter (F3)

Ticket No.	Type	Entity Name	Loc	Status
SCT-2379	Load Out	A1 Port...	000...	O
1357	Load In	A & A C...	000...	O
1356	Load In	Adept	000...	O
SCT-2373	Load In		000...	O
SCT-2370	Load In		000...	O
1355	Load In	Adept	000...	O
1354	Load In	A1 Port...	000...	O
1351	Load In	A1 Port...	000...	R
1349	Load In	Cintas	000...	O

? 2.27s Saved Refresh

Note: Getting the Scale Weight reading by pressing the hot keys or clicking on the button will automatically save the scale ticket.