



VEBKO ONLINE HELP

Relay Hardware Module

Category	relay
Section	Relay Hardware
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Contents

1. Adding Units	5
2. Removing a Unit	6
3. Copying a Unit	6
4. Cutting a Unit	7
5. Unit information	8
6. Changing card type	9
7. Removing a Card	9
8. Copying a Card	10
9. Cutting a Card	10
10. Card information	11

In general, based on what functions the relay is used to implement, it taken different hardware configuration determin at the time of ordering the relay. There is also the ability to upgrade hardware after ordering if you need to develop functions. To configure the relay, the relay hardware must first be implemented in the Relay Hardware section. In this section, a view of the front panel of the relay and the cards behind the relay are displayed.

Hardware relay configuration is possible in two ways:

Receiving settings from the relay

Creating hardware by working with units and cards

Receiving hardware configuration from relay

In general, the Vebko relay is able to recognize the type (Card Type) and serial number of the cards placed on the relay, but the cards placement should be introduced to the relay by the software, if needed, this hardware configuration, which includes the number of units, type and order of the cards, can be obtained from the relay. It should be noted that in order to do this, the software must be connected to the relay. To do this, you can receive these settings from the relay by clicking on the Read Hardware icon in the toolbar or selecting the Read Hardware from Relay option from the Device menu.

Adding Units

By right-clicking on the upper part of each unit and selecting the Add Unit option, a unit that only has a feeding card is added after the last unit. This can also be done by clicking on the Add Unit icon in

the upper part of each unit.

By Right-clicking on each unit and selecting "Insert empty unit in left" one empty unit is added to its left by selecting the insert empty unit in right, an empty unit is added to its right.

Removing a Unit

To remove a unit right-click and select the Remove Unit or click on Remove Unit icon on the upper part of the unit, it to remove an icon.

The unit can also be removed by selecting the desired unit and pressing the delete key on the keyboard.

Note: Unit 0 cannot be deleted.

Note: When removing a unit, if its signals are used in VFC the user is first asked, if the user confirms, the signals are also deleted in the VFC and then the unit is deleted.

Copying a Unit

To copy a unit, the desired unit must first be saved in memory by right-clicking on it and selecting the Copy Unit option, then by right-clicking on each units and selecting the Paste Unit option, a copy of the unit can be created on the right side of the selected unit.

It is also possible to use ctrl+X and ctrl+V combination keys instead of selecting Copy Unit and Paste Unit options, respectively.

note: A copy of the unit can be added to the right by clicking on the Duplicate icon.

To make copy operation easier, you can create a copy of the unit in that section by pressing the ctrl key and dragging and dropping the desired unit at the blue intervals between the units.

Cutting a Unit

To cut a unit, the desired unit must first be saved in memory by right-clicking on it and selecting the Cut Unit option, then right-clicking on each units and selecting the Paste Unit option the selected unit can be pasted to its right.

It is also possible to use combination keys ctrl+X and ctrl+V instead of selecting Cut Unit and Paste Unit options.

To make the job easier, you can paste the desired unit by pressing the shift key, drag and drop the desired unit at the blue intervals between the units, glue the desired unit in that part.

Unit information

By double-clicking or right-clicking on each unit and selecting the Unit Property option, the Unit Properties window opens and the unit information including labels, unit numbers and labels of its cards are displayed. In this window, you can change the unit label in the Label field. Changes are saved by clicking on the OK option.

The label can be changed by clicking on the name of each unit in its upper part.

Changing card type

To add a new card or to change the type of card right-click on the card and place the pointer on the Change Card Type option, to see the list of cards displayed, by clicking on any of them, the selected card is added in that part.

note: Each relay can have only one CPU card. Also, each unit can have only one feeding card.

Removing a Card

To delete a card, by right-clicking on the desired card and selecting the Remove Card option it can be deleted.

The card can also be deleted by selecting the desired card and pressing the delete key on the keyboard.

Copying a Card

To copy a card, the card must first be saved in memory, right-click on the each and select the Copy Card option, then by right-clicking on each cards and selecting the Paste Card option, a copy of the card can be created there.

instead of selecting copy card and Paste Card options, use the combination keys like ctrl+C and ctrl+V, respectively.

To make the job easier, you can simultaneously press the ctrl key, drag and drop the desired card in the section related to other cards. This way a copy of the selected card is created.

Cutting a Card

To cut a card, it must first be saved in memory, right-click and select the Cut Card option, then by right-clicking on each card and selecting the Paste Card option, the card can be pasted in that section.

It is also possible to use ctrl+X and ctrl+V combination keys instead of selecting Cut and Paste Card options, respectively.

To make the cut operation easier, you can paste the card in that section by pressing the shift key, drag and drop the card in the other card section.

Card information

By double-clicking on each unit or right-clicking on it and selecting the Card Property option, the Card Properties window is opened. so the card information including unit number, card number, label, number of signals, ID and serial card are displayed. Also, the signal information of this card is available in this window. In this window, you can change the label in the card label field. By clicking on save option the changes are saved.

Note: In this window, you can also access other cards in other units. To do this, first, in the Units field, the desired unit is selected and then the card is selected in the Unit Cards field. If changes are made, the user is asked if the current card settings are to be saved, if you want to save the settings, you should click save.

[jg1]RE_Relay_Hardware_module

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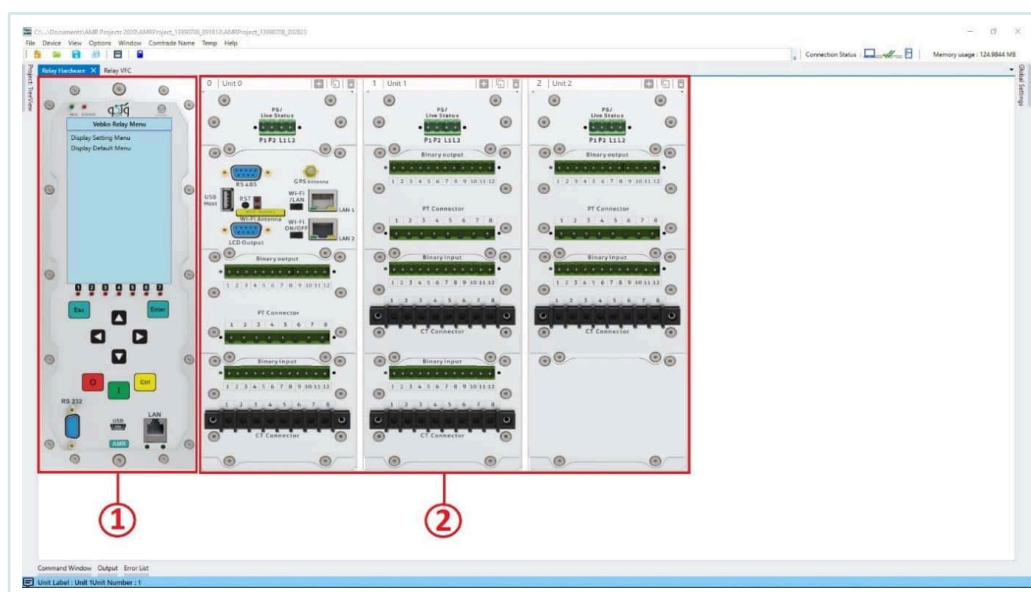


Figure 1

1 Adding Units

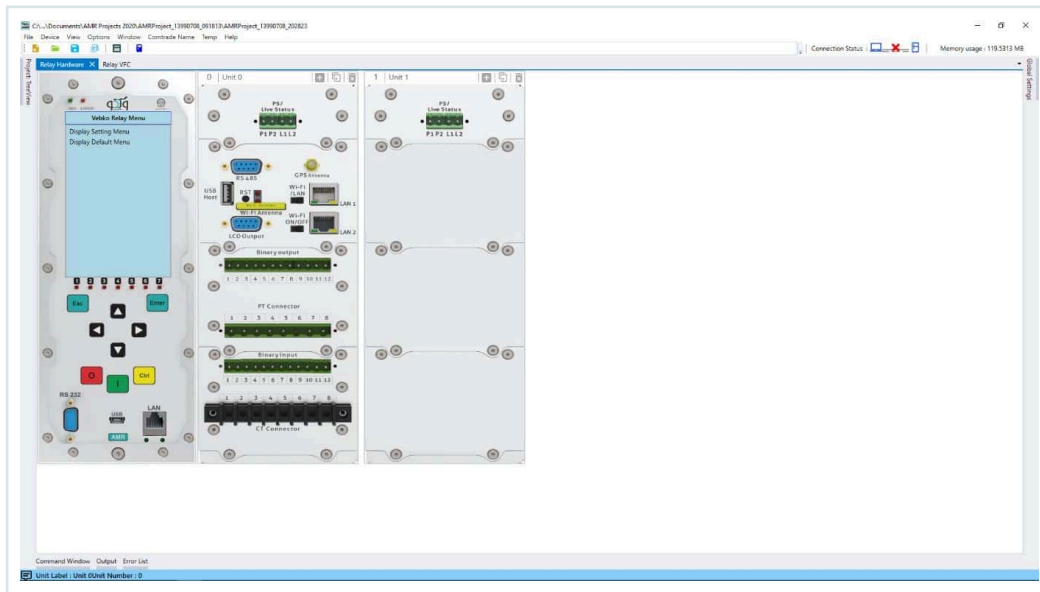


Figure 2

2 Removing a Unit

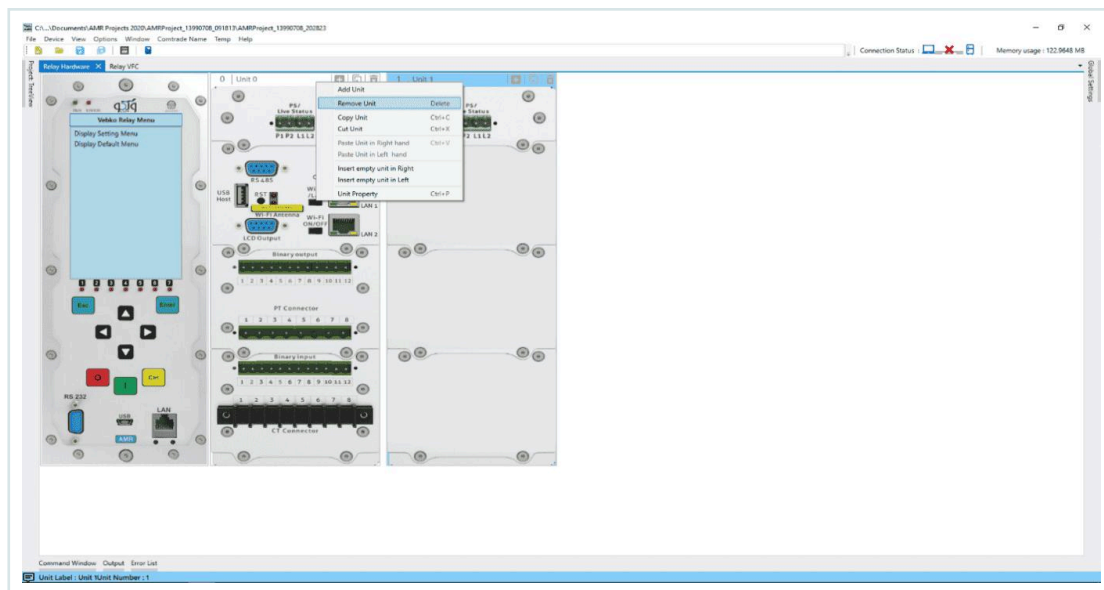


Figure 3

3 Copying a Unit



Figure 4

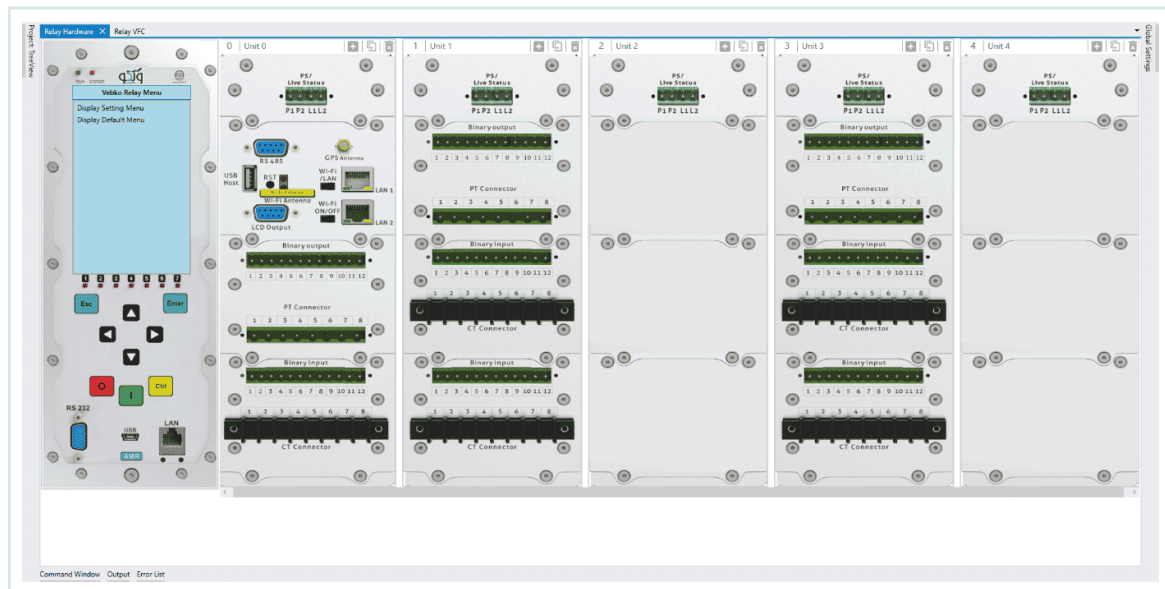


Figure 5



Figure 6

4 Cutting a Unit



Figure 7

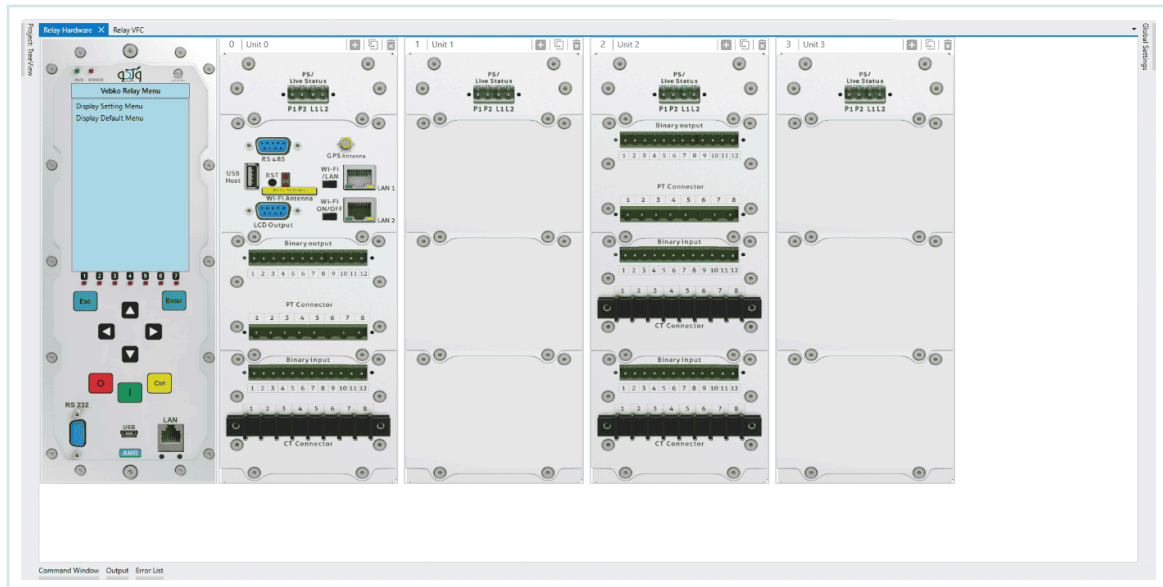


Figure 8



Figure 9

5 Unit information

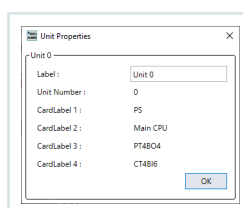


Figure 10

6 Changing card type

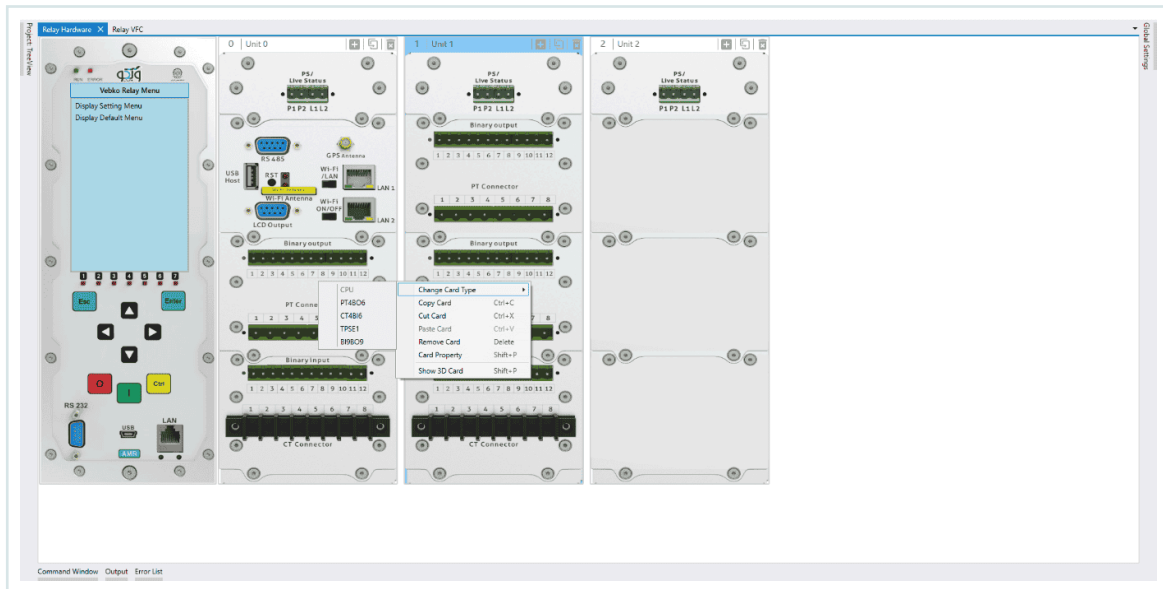


Figure 11

7 Removing a Card

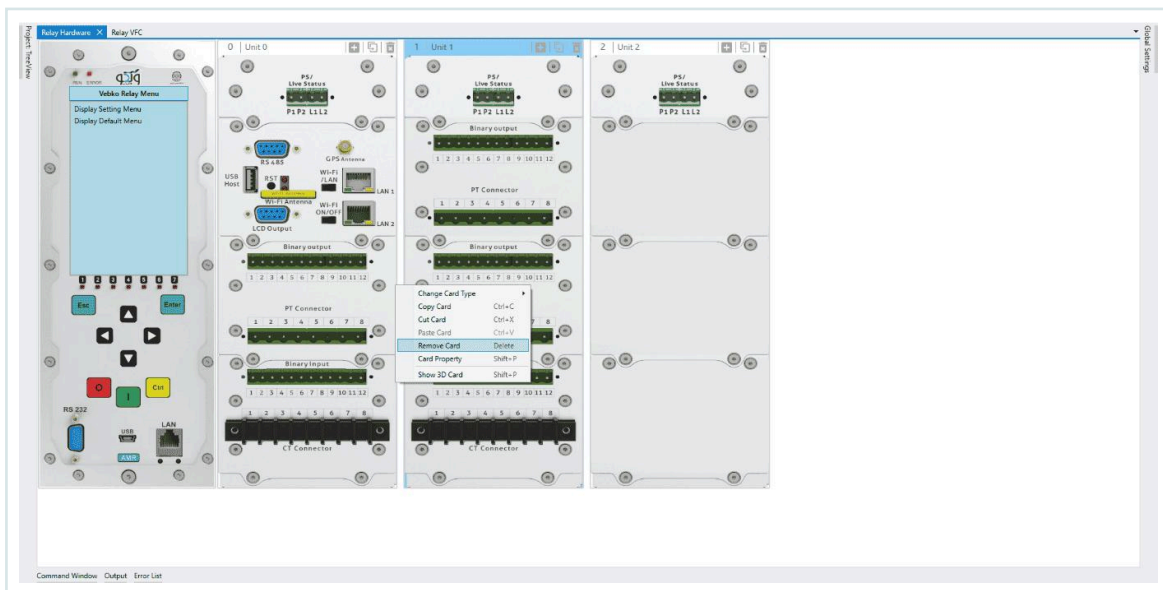


Figure 12

8 Copying a Card



Figure 13

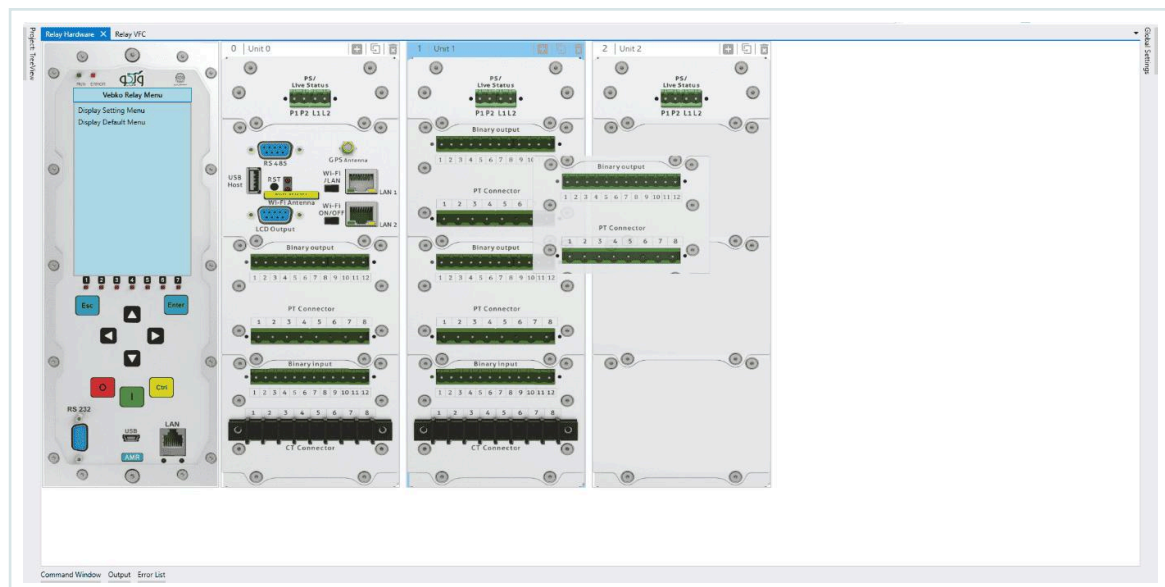


Figure 14

9 Cutting a Card



Figure 15

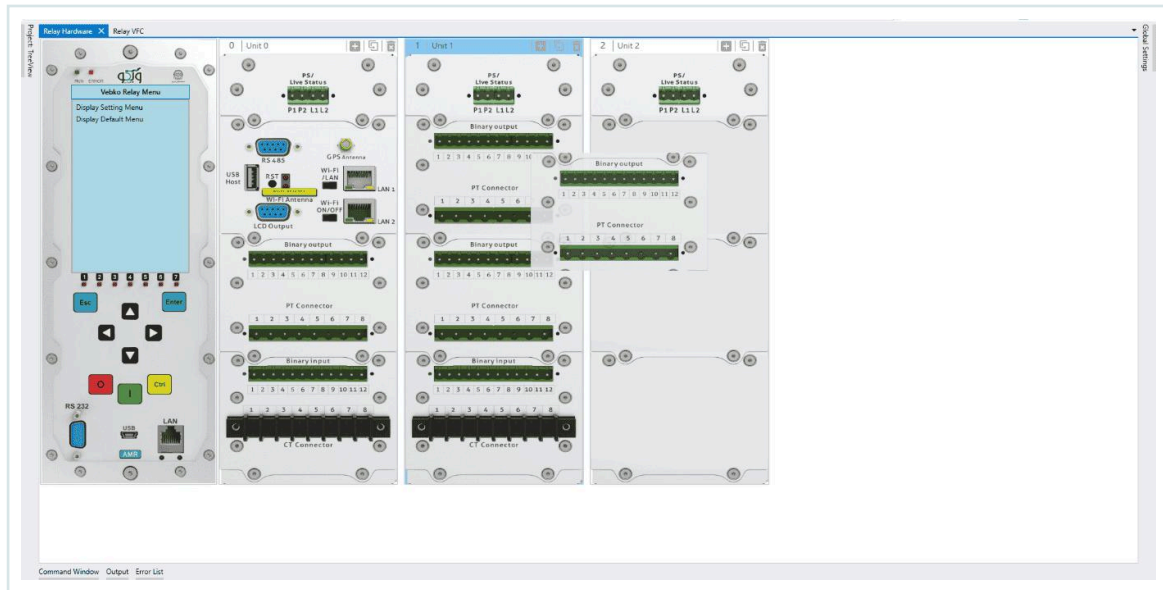


Figure 16

10 Card information


Card Properties

Units : Unit 0
Unit Cards : PT4_BO4

General Info

Unit Number : 0

Card Number : 2

Card Label : PT4 BO4

Card ID : 00A4

Card Signal Count : 9

Serial Number : 3

#	Name	Label	Primary	Secondary
.1	Ref:0:2:	Ref:0:2:		
.2	BO:0:2:1	BO:0:2:1		
.3	BO:0:2:2	BO:0:2:2		
.4	BO:0:2:3	BO:0:2:3		

Save

Cancel

Figure 17