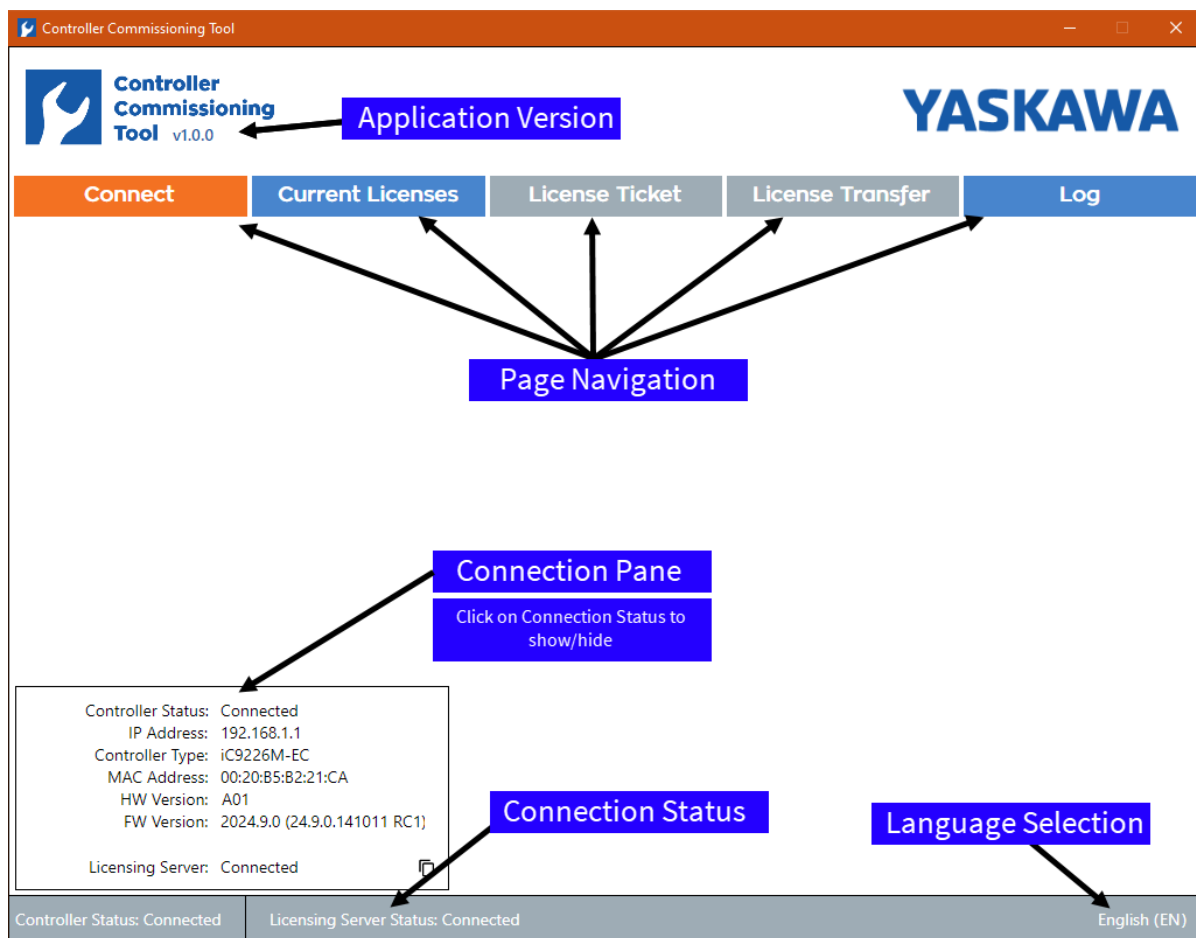


Navigating the Yaskawa Controller Commissioning Tool (CCT)

Licensing methods with CCT

- **The automatic licensing process (recommended):** This method requires simultaneous connection to the controller and the internet. This process is optimized to transfer files between the licensing server and iC9200 Controller automatically.
- **The manual connection process:** If it is not possible to connect to the iC9200 controller and the internet simultaneously, the manual connection process can be used. This requires the user to manually change the connections when prompted to by CCT.



- **Page Navigation:** The headers at the top of the application are used to navigate between the pages of the licensing project.
 1. Orange background: This is the active page
 2. Blue background: Navigation to this page is possible.
 3. Grey background: Navigation is not possible at the current stage of the licensing process.

- **Connection Status:** Indicates the status of the connection to the iC9200 controller and to the licensing server. Simultaneous connections to both are not required.
- **Connection Pane:** The connection page shows details of the connected device. It can be toggled on or off by clicking on either of the connections in the Connection Status.
 1. The details of the Connection Pane can be quickly copied to the keyboard using the copy icon at the lower-right of the pane.
- **Language Selection:** Clicking on the current language in the lower right corner of the application allows selecting among the available languages:
 1. Currently, the only available language is English.
- **Application Version:** The version of the application is shown under the CCT graphic in the upper-left of the application.

Connect Page

Controller Commissioning Tool v1.0.0

YASKAWA

Connect | Current Licenses | License Ticket | License Transfer | Log

IP Address: 192 . 168 . 1 . 1

Username: admin

Password:

Machine Reference: Machine s/n 12345
(optional)

Disconnect

Controller Status: Connected | Licensing Server Status: Connected | English (EN)

The Connect page is used to establish connection to the controller. Whether using the automatic or manual connection process, a connection to the controller is required to begin the process.

- Enter the IP address, Username, and Password of the iC9200. The default Username is admin, and the default Password is printed on the front of the iC9200 under the flip-up cover. Pressing the eye icon on the right side of the Password field will temporarily make the password visible.
- The Machine Reference is an optional field that is used for logging purposes. This field is saved as part of the log and can be used to help identify the machine on which the iC9200 controller was installed.
- Once the necessary fields have been populated, press the Connect button to attempt a connection to the controller. The Controller Status in the lower-left corner of the screen will show the connection status.

Current Licenses Page

The screenshot shows the 'Current Licenses' page of the Yaskawa Controller Commissioning Tool. The interface includes a header with the tool's name and version, the Yaskawa logo, and a navigation bar with buttons for 'Connect', 'Current Licenses' (active), 'License Ticket', 'License Transfer', and 'Log'. Below the navigation bar is a table listing active licenses. The table has six columns: 'Licensed Feature', 'Prod. Code', 'Feature Map', 'Firm Code', 'Firm Text', and 'Container'. One license is listed: 'Motion Axes 64 real + 64 virtual' with Prod. Code '90412', Feature Map '0x00000001', Firm Code '6001591', Firm Text 'Yaskawa America, Inc.', and Container '130-1065277098'. Below the table are two buttons: 'Deactivate' and 'Add New License'. At the bottom, a status bar shows 'Controller Status: Connected', 'Licensing Server Status: Connected', and 'English (EN)'.

Licensed Feature	Prod. Code	Feature Map	Firm Code	Firm Text	Container
Motion Axes 64 real + 64 virtual	90412	0x00000001	6001591	Yaskawa America, Inc.	130-1065277098

Deactivate Add New License

Controller Status: Connected Licensing Server Status: Connected English (EN)

Once communication to the iC9200 controller has been established, the application will show the Current Licenses page. This page lists all the licenses that are currently active on the controller. The Deactivate button is used to rehost a license that is currently active on the iC9200 controller, and the Add New License button is used to add a new license to the iC9200 controller.

License Ticket Page (Activating a license)

The screenshot shows the 'License Ticket' page of the 'Controller Commissioning Tool v1.0.0'. The page has a navigation bar with 'Connect', 'Current Licenses', 'License Ticket' (highlighted), 'License Transfer', and 'Log'. Below the navigation bar, there is a section for 'Activate License Ticket' with a text input field containing a blurred ticket number and a 'Submit' button. Below this, a table displays the licensed features. The table has three columns: 'Licensed Feature', 'Firm Code', and 'Firm Text'. One feature is listed: 'IC92xxM-x OPC UA Client' with firm code '6001591' and firm text 'Yaskawa iCube MC Device Container'. A checkbox is checked next to this feature. At the bottom right, there is a 'Transfer License' button. The footer shows 'Controller Status: Connected', 'Licensing Server Status: Connected', and 'English (EN)'.

Controller Commissioning Tool v1.0.0

YASKAWA

Connect Current Licenses **License Ticket** License Transfer Log

Activate License Ticket: Submit

Active Container: 130-1065277098

	Licensed Feature	Firm Code	Firm Text
☒	IC92xxM-x OPC UA Client	6001591	Yaskawa iCube MC Device Container

Transfer License

Controller Status: Connected Licensing Server Status: Connected English (EN)

On the License Ticket page, enter the ticket number provided by Yaskawa when the feature was purchased and press the Submit button. This will query the license server and display the licensed feature. Click the checkbox for the feature, then press the Transfer License button to begin the license transfer process.

License Ticket Page (Rehosting / deactivating a license)

Controller Commissioning Tool



**Controller
Commissioning
Tool** v1.0.0

YASKAWA

Connect

Current Licenses

License Ticket

License Transfer

Log

Deactivate License Ticket:

Submit

Active Container: 130-1065277098

	License Ticket	Feature Licensed
☐	_____	iC92xxM-x 64 axes Electronic
☐	_____	iC92xxM-x OPC UA Client

Transfer License

Controller Status: Connected

Licensing Server Status: Connected

English (EN)

When rehosting a license, the License Ticket numbers (and their associated descriptions) of existing features are shown for selection. These ticket numbers are only shown if CCT was used to activate them and they are in the log file. If the license number of the feature to be rehosted is not shown, it can be entered in the text field at the top of the page. Once the ticket number has been selected or entered, press the Transfer License button to begin the rehosting process.

License Transfer Page

Controller Commissioning Tool v1.0.0

YASKAWA

Connect | Current Licenses | License Ticket | **License Transfer** | Log

License successfully activated

iC9200	License Server	Action
☒		Checking for Container
☒		Receive License Context file from controller
	☒	Send License Context file to licensing server
	☒	Receive License Update file from licensing server
☒		Send License Update file to controller
☒		Receive License Receipt file from controller
	☒	Send License Receipt file to licensing server
	☒	Confirm License Success

Controller Status: Connected | Licensing Server Status: Connected | English (EN)

The License Transfer page shows the progress of the licensing process. If simultaneous connection to the iC9200 controller and the Licensing Server is available, the process will complete in just a few seconds. If the manual connection process is used, follow the on-screen prompts to change the connection between the iC9200 controller and the licensing server (e.g. the internet).

Log page

Controller Commissioning Tool



Controller Commissioning Tool

v1.0.0

YASKAWA

Connect

Current Licenses

License Ticket

License Transfer

Log

Timestamp	Machine ID	Controller IP	MAC ID	Serial Number	Type	License Ticket Used	Feature Licensed	Container ID	Status
10/17/2024 10:44:...	SkCZ6AMn	192.168.1.1	00:20:B5...	D023XA0000...	Licensing		iC92xxM-x 32 ax...	130-4177778...	Activated
10/17/2024 10:48:...	SkCZ6AMn	192.168.1.1	00:20:B5...	D023XA0000...	Licensing		iC92xxM-x OPC ...	130-4177778...	Activated
10/17/2024 10:48:...	SkCZ6AMn	192.168.1.1	00:20:B5...	D023XA0000...	Licensing		iC92xxM-x OPC ...	130-4177778...	Activated
10/17/2024 10:56:...		192.168.1.1			Licensing		iC92xxM-x OPC ...	130-4177778...	Deactiv...
10/17/2024 11:10:5...		192.168.1.1	00:20:B5...	D023XA0000...	Licensing		iC92xxM-x 32 ax...	130-4177778...	Deactiv...
10/17/2024 11:12:3...		192.168.1.1	00:20:B5...	D023XA0000...	Licensing		iC92xxM-x 64 ax...	130-4177778...	Activated
10/17/2024 11:15:2...		192.168.1.1			Licensing		iC92xxM-x 64 ax...	130-4177778...	Deactiv...
10/17/2024 11:36:...		192.168.1.1			Licensing		iC92xxM-x 64 ax...	130-4177778...	Activated
10/17/2024 11:56:...	Taco	192.168.1.15	00:20:B5...	D023XA0000...	Licensing		iC92xxM-x OPC ...	130-4177776...	Deactiv...
10/17/2024 11:56:...	Taco	192.168.1.15			Licensing		iC92xxM-x OPC ...	130-4177776...	Deactiv...
10/18/2024 10:42:...	BooBoo	192.168.1.12	00:20:B5...	D023XA0000...	Licensing		iC92xxM-x 32 ax...	130-4177778...	Deactiv...
10/18/2024 10:44:...	Goober	192.168.1.13	00:20:B5...	D023XA0000...	Licensing		iC92xxM-x 32 ax...	130-4177774...	Activated
10/23/2024 9:56:2...		192.168.1.1	00:20:B5...	D023XA0000...	Licensing		iC92xxM-x 64 ax...	130-4177778...	Deactiv...
10/23/2024 9:58:1...		192.168.1.1	00:20:B5...	D023XA0000...	Licensing		iC92xxM-x 32 ax...	130-4177778...	Activated
10/31/2024 12:02:...	Machine s/n ...	192.168.1.1	00:20:B5...	D023XA0000...	Licensing		iC92xxM-x OPC ...	130-4177778...	Activated
11/21/2024 3:16:4...		192.168.1.1	00:20:B5...	D023XA0000...	Licensing		iC92xxM-x OPC ...	130-4177778...	Activated
11/21/2024 3:17:08...		192.168.1.1	00:20:B5...	D023XA0000...	Licensing		iC92xxM-x OPC ...	130-4177778...	Deactiv...
11/21/2024 3:25:2...		192.168.1.1	00:20:B5...	D023XA0000...	Licensing		iC92xxM-x OPC ...	130-4177778...	Activated

Import And Merge

Export

Controller Status: Connected

Licensing Server Status: Connected

English (EN)

The log page shows the history of license transfers using CCT. The entries are timestamped and include the Machine ID entered on the Connection page to help the user differentiate where the iC9200 controller is installed. The Export button is used to export the log file to a CSV file that can be viewed in a spreadsheet or imported by another device running CCT. The Import and Merge button is used to import a CSV file that has been exported on another device. This allows the user to use multiple machines to update iC9200 controller licenses while still being able to maintain a master log of all iC9200 controller installations. Use the Export feature of all non-master devices running CCT, then use the Import and Merge to combine them into a single master log. Duplicate entries are prevented during the import and merge function.

NOTE: The log file is stored as C:\ProgramData\Yaskawa\Controller Commissioning Tool\Logs\Application\logData.csv. It is advised that you back-up this file often (or include the file in system back-ups) to preserve the data.

SUPPORTED COMPONENTS:

- iC9200 series controllers (with FW v2024.3 or greater)
- Controller Commissioning Tool (v1.0.0 or greater)