

License Manager V2.09.00 (for Linux)

User's Manual

Target Device

RL78 Family

RX Family

RH850 Family

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Corporate Headquarters

TOYOSU FORESIA, 3-2-24 Toyosu,
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How to Use This Manual

This manual describes the license management for developing applications and systems for RL78 family, RX family, and RH850 family, and provides an outline of its features.

Readers	This manual is intended for users who develop application systems using the Renesas Electronics development environment.	
Purpose	This manual is intended to help users understand the license management functions and to serve as a reference for software development using the Renesas Electronics development environment.	
Organization	This manual can be broadly divided into the following units. 1. GENERAL 2. FUNCTIONS 3. MESSAGE	
How to Read This Manual	It is assumed that the readers of this manual have general knowledge of electricity, logic circuits, and microcontrollers.	
Conventions	Data significance:	<u>Higher</u> digits on the left and lower digits on the right
	Active low representation:	XXX (overscore over pin or signal name)
	Note:	Footnote for item marked with Note in the text
	Caution:	Information requiring particular attention
	Remarks:	Supplementary information
	Numeric representation:	Decimal ... XXXX Hexadecimal ... 0xXXXX

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1.GENERAL

This manual describes how to manage the license for the development environments in developing applications and systems for microcontrollers.

It also describes how to manage floating licenses on the client side. For managing floating licenses on the server side, refer to the Floating License Server User's Manual for Windows or Linux.

1.1 Introduction

The license manager for Linux provides facilities for managing node-locked licenses and floating licenses which are for use with the following tools from Renesas Electronics

- C Compiler Package for RL78 Family [CC-RL]
- C/C++ Compiler Package for Family [CC-RX]
- C Compiler Package for RH850 Family [CC-RH]

If you are using those tools in an integrated development environment, such as e² studio from Renesas Electronics, you can manage the licenses through the license manager.

A node-locked license is a form of license where the license manager on a client manages the software license. If a license key is registered, functionality corresponding to the license is available, e.g. the manager eliminates restrictions on the amount of code for which linkage is possible on that client.

Table 1-1 Steps in Using a Node-locked License

Step	Software Subject to licensing	License Manager
1	Installed by a user.	Installed by a user.
2		The user registers a license key.
3	Launched by a user.	
4	Confirm whether a license is registered with the license manager. →	
5		← Responds to the tool stating the availability of a license.

User: PC administrator and Development tool user

Floating licensing is a licensing approach in which a limited number of licenses for software used by multiple users are managed by a single computer (server) and the users of any computers (clients) connected to the network can use the software within the limit of the number of licenses. With a floating license, each user can acquire a license.

Table 1-2 Steps in Using Floating Licenses

Step	Client		Server
	Software Subject to licensing	License Manager	Floating license server management
(Preparation)			An administrator adds a license key.
1	Launched by a user.		
2	Requests the license. →		
3		Send a requests for the floating license to the server. →	
4			← Grants the floating license to the client.
5		← Responds to the tool stating the availability of a license.	

Administrator: License administrator

User: Floating license user

A floating license cannot be used unless the computer is connected to the server.

Offline mode is a mechanism that occupies the license for a certain period to use the license in a state after disconnection from the network environment.

Table 1-3 Steps in Using a Floating License (Offline Mode)

Step	Client		Server	State of Connection between the Client and Server on the Network
	Software Subject to licensing	License Manager	Floating license server management	
(Preparation)			An administrator adds a license key.	Connected.
1		A user requests the floating license (offline mode).		
2		Send a request for the floating license (offline mode) to the server. →		
3			← Grants the floating license (offline mode) to the client.	
4	Launched by a user.			Not connected.
5	Send a request for the license to the license manager. →			
6		← Responds to the tool stating the availability of a license.		

Administrator: License administrator

User: Offline Mode user

Both node-locked and floating licenses are available as permanent licenses which place no limit on the period of validity, and as annual licenses which are valid for one year. The valid period is one year from initial registration with MyRenesas on the Renesas Web site of the license acquisition code which accompanies the compiler product. Once the period of an annual license has expired, the development tool covered by the license cannot be used.

1.2 Operating Environment

A license manager operates in the following environment.

- OS
 - Ubuntu 22.04 LTS
 - Ubuntu 24.04 LTS
- Hardware
 - Conforming to the specifications required for the OS
- Development environment
 - Node Locked License (permanent and annual)
 - CC-RL V1.13.00 or later
 - CC-RX V3.06.00 or later
 - CC-RH V2.06.00 or later
 - Floating License (permanent and annual)
 - CC-RL V1.13.00 or later
 - CC-RX V3.06.00 or later
 - CC-RH V2.06.00 or later
- Floating License Server
 - V2.08.00 (Linux) or later
 - V2.08.00 (Windows) or later

1.2.1 Supported Licenses

The following licenses are supported.

Table 1-4 Supported License

License	Compiler V1 for RL78 (CC-RL)	Compiler V3 for RX (CC-RX)	Compiler V2 for RH850 (CC-RH)
Standard edition Node Locked License (permanent)	•	•	•
Standard edition Node Locked License (annual)	•	•	•
Standard edition Floating License (permanent)	•	•	•
Standard edition Floating License (annual)	•	•	•

License	Compiler V1 for RL78 (CC-RL)	Compiler V3 for RX (CC-RX)	Compiler V2 for RH850 (CC-RH)
Professional edition Node Locked License (permanent)	•	•	•
Professional edition Node Locked License (annual)	•	•	•
Professional edition Floating License (permanent)	•	•	•
Professional edition Floating License (annual)	•	•	•
Upgrade (edition) Node Locked License (permanent)	Standard→ Professional	Standard→ Professional	Standard→ Professional
Upgrade (version) Standard edition Node Locked License (permanent)		V2→V3	V1→V2
Upgrade (version) Professional edition Node Locked License (permanent)		V2→V3	V1→V2
Upgrade (version) Standard edition Floating License (permanent)		V2→V3	V1→V2
Upgrade (version) Professional edition Floating License (permanent)		V2→V3	V1→V2

1.2.2 Upgrade (edition) License

A Standard edition node-locked license (permanent) can be upgraded to a Professional edition node-locked license (permanent).

Table 1-5 Upgrade (edition) License

	Source of the Upgrade	Upgrade (edition)	Destination of the Upgrade
	Standard edition Node Locked License (permanent)	Upgrade (edition) Node Locked License (permanent)	Professional edition Node Locked License (permanent)

Example	Compiler V3 for RX (CC-RX) Standard edition Node Locked License (permanent)	V3 Upgrade (edition) Node Locked License (permanent)	Compiler V3 for RX (CC-RX) Professional edition Node Locked License (permanent)
---------	---	--	--

Remarks: An annual or floating license cannot be specified as the source of the upgrade.

1.2.3 Upgrade (version) License

The version (permanent) as the source of the upgrade can be upgraded to version+1 (permanent).

Table 1-6 Upgrade (version) License

	Source of the Upgrade	Upgrade (version)	Destination of the Upgrade
	(version) Standard edition Node Locked License (permanent)	(version+1) Upgrade (version) Standard edition Node Locked License (permanent)	(version+1) Standard edition Node Locked License (permanent)
	(version) Professional edition Node Locked License (permanent)	(version+1) Upgrade (version) Professional edition Node Locked License (permanent)	(version+1) Professional edition Node Locked License (permanent)
	(version) Standard edition Floating License (permanent)	(version+1) Upgrade (version) Standard edition Floating License (permanent)	(version+1) Standard edition Floating License (permanent)
	(version) Professional edition Floating License (permanent)	(version+1) Upgrade (version) Professional edition Floating License (permanent)	(version+1) Professional edition Floating License (permanent)
Example	Compiler V2 for RX (CC-RX) Standard edition Node Locked License (permanent)	V3 Upgrade (version) Standard edition Node Locked License (permanent)	Compiler V3 for RX (CC-RX) Standard edition Node Locked License (permanent)

Remarks: An annual or floating license cannot be specified as the source of the upgrade.

A Professional edition can be upgraded to (version+1) Standard edition.

Table 1-7 Upgrade (version) Standard Example

	Source of the Upgrade	Upgrade (version)	Destination of the Upgrade
Example	Compiler V2 for RX (CC-RX) Professional edition Node Locked License (permanent)	V3 Upgrade (version) Standard edition Node Locked License (permanent)	Compiler V3 for RX (CC-RX) Standard edition Node Locked License (permanent)

Remarks: An annual or floating license cannot be specified as the source of the upgrade.

The destination of the upgrade can be the source of the upgrade for upgrading the license.

Table 1-8 Multi Upgrade Example

	Source of the Upgrade	Upgrade	Source or Destination of the Upgrade	Upgrade	Destination of the Upgrade
Example	Compiler V2 for RX (CC-RX) Standard edition Node Locked License (permanent)	V3 Upgrade (version) Standard edition Node Locked License (permanent)	Compiler V3 for RX (CC-RX) Standard edition Node Locked License (permanent)	V3 Upgrade (edition) Node Locked License (permanent)	Compiler V3 for RX (CC-RX) Professional edition Node Locked License (permanent)

2.FUNCTIONS

2.1 Installing License Manager

Specify the installer file name and enter the following in the terminal.

```
$ sudo dpkg -i license-manager_2.09.00_amd64.deb
```

The installation location is as follows.

```
/usr/local/renesas-mcutools/
```

Caution:

1. When 'sudo' is attached to the file name, you must enter the password for the current user.
2. When 'sudo' is attached to the file name, you must specify the full path to the command because the PATH environment variable is fixed by default.

2.2 Uninstalling License Manager

Enter the following in the terminal.

```
$ sudo dpkg -r license-manager
```

If you uninstall, the following warning will be displayed because the license manager configuration file exists in the installation directory.

```
"directory '<path>' not empty so not removed"
```

If you reinstall it, you will be able to use it with the same settings, so there is no need to delete it. If you want to delete all directories and files, delete the following directories after uninstallation.

```
/usr/local/share/renesas-mcutools-license
```

```
/var/local/renesas-mcutools-license
```

```
~/.renesas/mcutools-license
```

2.3 Using License Manager

This section explains how to use the installed license manager. Enter the following in the terminal.

```
$ /usr/local/renesas-mcutools/bin/license-manager [OPTION]...
```

2.3.1 Option

Multiple options other than conflicting ones (e.g. `--enable-*` at the same time as `--disable-*`) can be simultaneously specified. The same options are handled in the order in which they are specified.

Table 2-1 Option

Category	Short Option	Long Option	Arguments	Description

Category	Short Option	Long Option	Arguments	Description
Display licenses	-l	--list		Display a list of valid registered licenses.
		--check-expiration		--check-expiration is specified together with the --list option and displays the expiration date of the term of the license (annual).
Node locked license		--add <license key>		Add a node locked license.
		--delete <license key>		Delete a node locked license.
Floating license server settings		--enable-server-setting [<address> [<port>]]		Enable addressed floating license server settings.
			<address>	Specify address of server. If omitted, the value set is used.
			<port>	Specify port number of server. If omitted, the value set is used. The initial value is 6723.
		--disable-server-setting		Disable the floating license server settings.
	-s	--server-info		Display floating license server settings information.
Offline mode ^{Note}	-f	--list-for-offline-mode		Display floating licenses for offline mode.
		--get-offline-mode <kind> [<period>]		Acquiring a floating license for use in offline mode.
			<kind>	<kind> is a kind indicated in --list-for-offline-mode.
			<period>	<period> is period(1-99)(unit: days) of use in offline mode. default is 3.

Category	Short Option	Long Option	Arguments	Description
			<period>	<period> is period(1-99)(unit: days) of use in offline mode. default is 3.
	-i	--list-in-offline-mode		Display floating licenses in offline mode.
		--release-offline-mode <kind>		Ending use of the floating license in offline mode.
			<kind>	<kind> is a kind indicated in --list-in-offline-mode.
Logging status of use		--enable-logging [<size> [<detail> [<directory>]]]		The status of usage of the licenses are recorded in a log file.
			<size>	Specifies the maximum size 10-9999 (unit: MB).
			<detail>	Details of the internal operation of the programs are also recorded if true, only the requests from clients and the responses are recorded if false. If omitted, the set value will be used. The initial value is false.
			<directory>	Specifies the path for the directory in which the log files are to be saved. The initial values are as follows. ~/.renesas/mcutools-license/LicenseInfo/Log
		--disable-logging		Usage is not recorded in the log file.
	-g	--logging-info		Display logging information.
Other	-h	--help		Display usage information.
	-v	--version		Display version.
		--lang <culture>		Display in the specified culture.

Category	Short Option	Long Option	Arguments	Description
			<culture>	Specify ja-JP for Japanese and en-US for English.

Note: Floating license server setting must be enabled.

2.3.2 Exit Status

Normal exit is 0, and abnormal exit is 1.

2.3.3 Confirming the states of the licenses

You can confirm the states of the licenses by using the `--list` option.

Example of valid license displays

```
$ /usr/local/renesas-mcutools/bin/license-manager --list
  License Type : Compiler Standard V1 for RL78 (CC-RL) Node Locked License (permanent)
  License Key : XXXXX-XXXXX-XXXXX-XXXXX-XXXXX
  Serial Number : 0x00000000

  License Type : Compiler Standard V1 for RH850 (CC-RH) Node Locked License (permanent)
  License Key : YYYYY-YYYYY-YYYYY-YYYYY-YYYYY
  Serial Number : 0x00000000

  License Type : Compiler Standard V2 for RX (CC-RX) Node Locked License (permanent)
  License Key : ZZZZZ-ZZZZZ-ZZZZZ-ZZZZZ-ZZZZZ
  Serial Number : 0x00000000

  License Type : Compiler Standard V1 for RH850 (CC-RH) Floating License (Offline Mode)
  Expiration Date : YYYY/MM/DD hh:mm:ss Kind : CC-RH1
$
```

2.3.4 Confirming information on the expiration of annual license

You can confirm information on the expiration of annual licenses by specifying the `--list` and `--check-expiration` options.

Checking the expiration date of a term license Example

```
$ /usr/local/renesas-mcutools/bin/license-manager --check-expiration --list
  License Type : Compiler Standard V1 for RL78 (CC-RL) Node Locked License (annual)
  License Key : XXXXX-XXXXX-XXXXX-XXXXX-XXXXX
  Serial Number : 0x00000000 Expiration Date : YYYY/MM/DD hh:mm:ss

  License Type : Compiler Standard V1 for RH850 (CC-RH) Node Locked License (annual)
  License Key : YYYYY-YYYYY-YYYYY-YYYYY-YYYYY
  Serial Number : 0x00000000 Expiration Date : YYYY/MM/DD hh:mm:ss

  License Type : Compiler Standard V2 for RX (CC-RX) Node Locked License (annual)
  License Key : ZZZZZ-ZZZZZ-ZZZZZ-ZZZZZ-ZZZZZ
  Serial Number : 0x00000000 Expiration Date : YYYY/MM/DD hh:mm:ss

  License Type : Compiler Standard V1 for RH850 (CC-RH) Floating License (Offline Mode)
  Expiration Date : YYYY/MM/DD hh:mm:ss
  Kind : CC-RH1
Notification of license expiration date
M0175021:Expiration date of Node Locked License (annual) is reached. Following node locked
license registered on this client,
```

```

Compiler Standard V1 for RL78 (CC-RL) is no longer available because it is out of
date (YYYY/MM/DD hh:mm:ss) .
Compiler Standard V1 for RH850 (CC-RH) will be no longer available after 7 days because it
is out of date.
Compiler Standard V2 for RX (CC-RX) will be no longer available after 30 days because it
is out of date.
$

```

2.3.5 Add a node locked license

You can add a node-locked license by using the `--add` option and then confirm addition of the license with the `--list` option.

Add a Node Locked License Example

```

$ /usr/local/renesas-mcutools/bin/license-manager --add XXXXX-XXXXX-XXXXX-XXXXX-XXXXX
$

```

Caution: To register an Upgrade (version) Node Locked License (permanent), a Node Locked License (permanent) must have been registered as the source of the upgrade. Start by adding the Node Locked License (permanent) to the license manager or add the Upgrade (version) License and Node Locked License (permanent) at the same time.

2.3.6 Delete a node locked license

You can delete a node-locked license by using the `--delete` option. After that, the deleted license will not be displayed if the `--list` option is specified.

Deleting a Node Locked License Example

```

$ /usr/local/renesas-mcutools/bin/license-manager --delete XXXXX-XXXXX-XXXXX-XXXXX- XXXXX
$

```

Caution: While an Upgrade (version) Node Locked License (permanent) is registered, the Node Locked License (permanent) that is the source of the upgrade cannot be deleted. Start by deleting the Upgrade (version) Node Locked License (permanent).

2.3.7 Setting up the floating license

The initial settings are required to use a floating license.

Caution: Set up the client after the server settings was finished.
If the server is changed due to a breakdown or simply moving to a different server, re-setting the server is required. After the settings have been changed, all the existing floating licenses will become invalid.
Initial settings of the client are required per individual user.

Specify the server by using the `--enable-server-setting` option to specify and validate the server address. If the port number has been changed from the default one, also specify the port number.

Example of enabling by specifying a server

```

$ /usr/local/renesas-mcutools/bin/license-manager --enable-server-setting xxx.xxx.xxx.xxx
$

```

You can confirm the current settings by using the `--server-info` option.

Example of setting confirmation

```
$ /usr/local/renesas-mcutools/bin/license-manager --server-info Floating License Server
Status: Enabled
Address: XXX.XXX.XXX.XXX
      Port: XXXX
$
```

2.3.8 Acquiring a floating license

You don't need to take a particular action to acquire a floating license.

Starting the software subject to licensing automatically acquires a floating license. The term of validity is 30 minutes from the time that the license is acquired.

The license will be returned automatically when the term of validity expires. If the license will be required, the software subject to licensing automatically acquires a floating license again.

2.3.9 Acquiring a floating license in offline mode

A floating license cannot be used unless the computer is connected to the server. Offline mode is a mechanism that occupies the license for a certain period in order to use the license in a state disconnected from the network environment.

Using the `--list-for-offline-mode` option displays candidates in offline mode.

Example of displaying candidates in offline mode

```
$ /usr/local/renesas-mcutools/bin/license-manager --list-for-offline-mode Get floating
license (offline mode) from XXX.XXX.XXX.XXX
      kind name(Using: floating/offline/all)
-----+-----
CC-RH1 Compiler Standard V1 for RH850 (CC-RH) (1/0/2)
CC-RH2 Compiler Standard V2 for RH850 (CC-RH) (0/1/2)
CC-RL2 Compiler Standard V2 for RL78 (CC-RL) (0/0/2)
CC-RL1 Compiler Standard V1 for RL78 (CC-RL)
$
```

When you have set the disclosure of the states of the licenses in use on the floating server, the states are displayed in the following format:

The number of floating licenses in use / the number of floating licenses in use in offline mode / the total number of valid licenses

The total number of valid licenses does not include expired floating licenses (annual).

For the settings to select disclosure of the states of the licenses in use on the floating license server, refer to the Floating License Server User's Manual for Windows or Linux.

Caution: Disclosure of the states of the licenses in use on the floating license server is available with floating license server V2.09.00 or a later version.

When you specify the “kind” displayed by `--list-for-offline-mode` with the argument of the `--get-offline-mode` option, you can acquire the offline mode.

Example of obtaining offline mode

```
$ /usr/local/renesas-mcutools/bin/license-manager --get-offline-mode "CC-RH1"
$
```

2.3.10 Ending use of a floating license in offline mode

Using the `--list-in-offline-mode` option displays the licenses in use in offline mode.

Display of offline mode in use

```
$ /usr/local/renesas-mcutools/bin/license-manager --list-in-offline-mode
License Type : Compiler Standard V1 for RH850 (CC-RH) Floating License (Offline Mode)
Expiration Date : YYYY/MM/DD hh:mm:ss Kind : CC-RH1
$
```

Specifying “kind” displayed with `--list-in-offline-mode` as the argument of `--release-offline-mode` ends offline mode.

Example of ending offline mode

```
$ /usr/local/renesas-mcutools/bin/license-manager --release-offline-mode "CC-RH1"
$
```

2.3.11 Indicating mismatches between versions registered with the license manager and floating license server

If you use an option (e.g. `--enable-server-setting` and `--get-offline-mode`) which communicates with the floating license server and the following message appears, update the version of the floating license server.

Message

```
E0174024:The version of the floating license server you are using is older than that
assumed by the license manager. Update the floating license server.
```

Caution: Floating license server V2.08.00 or a later version is required to use floating licenses with license manager V2.09.00.

2.3.12 Record usage in log files

Using the `--enable-logging` option enables recording the states of usage of the licenses in a log file.

Example of recording usage in a log file

```
$ /usr/local/renesas-mcutools/bin/license-manager --enable-logging
$
```

Using the --logging-info option enables checking the current settings.

Example of checking current settings

```
$ /usr/local/renesas-mcutools/bin/license-manager --logging-info Logging status of use :  
Enabled  
Max log file size : 10MB  
Save detailed status : Disabled  
Directory for saving log file : /home/user/.renesas/mcutools-license/LicenseInfo/Log  
$
```

3.MESSAGES

This chapter describes internal error messages, fatal error messages, information messages and warning messages that License Manager outputs.

The messages are output to the standard output of the terminal or a log file, etc.

3.1 Message Types

The message types (1 alphabetic character) when License Manager is operated are as follows. Message Types

Message Type		Description
C	Internal error	Processing was terminated (suspended) due to an internal error.
E	Fatal error	Processing was terminated (suspended) due to a fatal error.
M	Information	Informational message. Check the message and continue processing.
W	Warning	Warning message. Check the message and continue processing.

3.2 Internal Errors

C0171000	[Message]	An internal error occurred. Failed to get a license. xxx
C0171001	[Message]	An internal error occurred. Failed to send license request. xxx
C0171002	[Message]	An internal error occurred. Failed to send license request.
C0171004	[Message]	Failed to load file. xxx
C0171005	[Message]	Failed to save file. xxx
C0190000	[Message]	Specified device is invalid.

C0190002	[Message]	xxx is too large.
C0190003	[Message]	xxx is too small.
C0190004	[Message]	Specified tool is invalid.
C0190005	[Message]	Specified license type is invalid.

3.3 Fatal Errors

E0172000	[Message]	Getting a license is timed out.
E0172001	[Message]	Command-line option is invalid.
E0172002	[Message]	Failed to load license file.
E0172003	[Message]	Failed to load option file. xxx
E0172004	[Message]	Failed to load option file. xxx
E0172005	[Message]	Failed to save option file. xxx
E0172006	[Message]	Failed to save option file. xxx
E0172007	[Message]	Failed to load license information. xxx
E0172008	[Message]	Server address or port settings is invalid. xxx
E0172009	[Message]	Failed to save license information. xxx
E0172010	[Message]	Server address or port settings is invalid. xxx
	[Action by User]	Check that the [Server Address] and [Port] in the Option dialog box are correct.

E0172011	[Message]	Failed to receive response from license server. xxx
	[Action by User]	Check that the [Server Address] and [Port] in the Option dialog box are correct.
E0172014	[Message]	Failed to write log file.
E0172020	[Message]	Response from license server is invalid.
	[Action by User]	Check that the [Server Address] and [Port] in the Option dialog box are correct.
E0172021	[Message]	Response from license server is invalid.
	[Action by User]	Check that the [Server Address] and [Port] in the Option dialog box are correct.
E0172022	[Message]	No available license in license server.
E0172023	[Message]	No available license in license server. But upper level license is available.
E0172024	[Message]	License server respond "invalid server".
	[Action by User]	Disable the floating license in the Option dialog box and then re-enable it.
E0172025	[Message]	License server respond "invalid client".
	[Action by User]	Disable the floating license in the Option dialog box and then re-enable it.
E0172026	[Message]	Clock gap between server and client is too large.
	[Action by User]	Check the time on the client PC. If the time is correct, ask the floating license server administrator to check the time on the server.
E0172027	[Message]	License server respond "unknown license".
	[Action by User]	The version of the license server may be old. Ask the floating license server administrator to check the version of the floating license.

E0172028	[Message]	License is out of date.
E0172040	[Message]	Failed to connect license server. License server respond "xxx".
E0172041	[Message]	A connection with the server has timed out.
	[Action by User]	Check that [Server Address] and [Port] in the Option dialog box are correct. Ask the floating license server administrator to check that the floating license is valid. Requests may be blocked by the firewall of the server PC. Ask the floating license server administrator to check that the client request is allowed. A request may be blocked by security software such as a personal firewall on the client PC. Allow communications to the ports specified in the Option dialog box.
E0172042	[Message]	A connection with the server could not be established. Cannot find server or DNS error.
	[Action by User]	Check that [Server Address] in the Option dialog box is correct. If this does not resolve the problem, specify [Server Address] by the IP address
E0172043	[Message]	Failed to connect license server.
	[Action by User]	Check that [Server Address] and [Port] in the Option dialog box are correct. Ask the floating license server administrator to check that the floating license is valid.
E0172044	[Message]	A connection with the server was denied.
	[Action by User]	Check that [Server Address] and [Port] in the Option dialog box are correct.
E0172045	[Message]	The server returned an error (xxx).
	[Action by User]	Check that [Server Address] and [Port] in the Option dialog box are correct.
E0172046	[Message]	A connection with the proxy server could not be established. Cannot find server or DNS error.
	[Action by User]	Check [Internet Option] in the control panel to make sure that a proxy server is not being bypassed. Ask your network administrator about proxy settings.

E0172047	[Message]	A connection with the proxy server could not be established.
	[Action by User]	Check [Internet Option] in the control panel to make sure that a proxy server is not being bypassed. Ask your network administrator about proxy settings.
E0174024	[Message]	The version of the floating license server you are using is older than that assumed by the license manager. Update the floating license server.
E0174025	[Message]	The version of the license manager you are using is older than that assumed by the floating license server. Update the license manager.
E0174100	[Message]	This license key is invalid. xxx
E0174101	[Message]	This license key is already registered. xxx
E0175400	[Message]	<i>option</i> requires arguments.
E0175401	[Message]	<i>option1</i> and <i>option2</i> options cannot be specified at the same time.
E0175402	[Message]	Unknown option: <i>option</i>
E0175403	[Message]	The <i><argument></i> argument of the <i>option</i> option is invalid.: <i>size</i> : Please specify <i>min</i> to <i>max</i> .
E0175404	[Message]	The <i><argument></i> argument of the <i>option</i> option is invalid.: <i>value</i> : Please specify <i>spec</i> .
E0175405	[Message]	Floating license is disabled. Please enable it with <i>option</i> .
E0175420	[Message]	The specified license key is not registered. : <i>licenseKey</i>
E0175421	[Message]	The specified kind of floating license could not be obtained. : <i>kind</i>
E0175422	[Message]	The use of the specified kind of floating license could not be ended. : <i>kind</i>
E0180010	[Message]	To add an upgrade (version) license, the upgrade source license must be registered. xxx

E0180011	[Message]	License deletion failed. The upgrade source license cannot be deleted before the upgrade (version) license is deleted.
E0182000	[Message]	Could not write the license information to "xxx".
E0190000	[Message]	Failed to start License Manager. Can not find the folder to store the license information.
E0190001	[Message]	Failed to start License Manager. Can not find the folder to store the license information.

3.4 Information

M0175000	[Message]	Please run <i>command --help</i> for more information.
M0175020	[Message]	There are no licenses available.
M0175021	[Message]	Expiration date of Node Locked License (annual) is reached.
M0175022	[Message]	Expiration date of Floating License (annual) is reached.
M0190000	[Message]	Failed to read license information. The file is broken. Please re-enter license keys.
M0191605	[Message]	Released.
M0191607	[Message]	Get new license : xxx
M0191608	[Message]	Supported : xxx licenses
M0191801	[Message]	Getting license : xxx
M0191802	[Message]	Connecting : xxx
M0191804	[Message]	Getting supported licenses : xxx
M0191805	[Message]	Getting license as offline mode : xxx
M0191806	[Message]	Releasing license : xxx

M0191807	[Message]	Getting license expiration info.
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3.5 Warning

W0175200	[Message]	The value of the <i>argument</i> argument for the <i>option</i> option is too large. : <i>value</i> : set to <i>max</i>
W0175201	[Message]	The value of the <i>argument</i> argument for the <i>option</i> option is too small. : <i>value</i> : set to <i>min</i> .
W0190002	[Message]	Failed to read license information from "xxx". The file is broken.
W0190003	[Message]	Failure in reading license information. The file is corrupted.

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