

BEFORE USE

Thank you for choosing us. Before use, please check contents of the package you received as outlined below.

If you have any problems or questions with the product, please contact our sales office or representatives.

This product is for use in general industrial environments, therefore may not be suitable for applications which require higher level of safety (e.g. safety or accident prevention systems) or of reliability (e.g. vehicle control or combustion control systems).

For safety, installation and maintenance of this product must be conducted by qualified personnel.

■ PACKAGE INCLUDES:

PLC(1)
Protective cover(1)

■ MODEL NO.

Confirm Model No. marking on the product to be exactly what you ordered.

■ INSTRUCTION MANUAL

This manual describes necessary points of caution when you use this product, including installation, connection and basic maintenance procedures.

■ EDS FILE

An EDS file is required to use the device with I/O modules. EDS files are downloadable at our web site.

POINTS OF CAUTION**■ CONFORMITY WITH EU DIRECTIVES**

- The device must be mounted inside the instrument panel of a metal enclosure.
- The actual installation environments such as panel configurations, connected devices, connected wires, may affect the protection level of this device when it is integrated in a panel system. The user may have to review the CE requirements in regard to the whole system and employ additional protective measures* to ensure the CE conformity.
* For example, installation of noise filters and clamp filters for the power source, input and output connected to the device, etc.
- The device complies with the EMC Directive for general industrial environments (EMC Zone B). However, if severe electromagnetic noise exceeding the specifications is applied, temporary issues such as communication delays may occur. Normal operation automatically resumes once the noise stops. If the device is used in environments where noise is expected, design your system to accommodate such temporary communication delays.

■ POWER INPUT RATING & OPERATIONAL RANGE

- Locate the power input rating marked on the product and confirm its operational range as indicated below:
DC Power supply: 24V DC $\pm 10\%$, $\geq 4.5W$ (the device only)
Internal Power supply: 5V DC, operational current 1.0A (Internal power is generated from power supply, and supplies to each I/O module. Current consumption of internal power must be under the operational current.)
Excitation supply: 24V DC $\pm 10\%$, operational current 4.1A (From power supply connector, via connector for internal bus, supplies to each I/O module. Current consumption of the excitation supply must be under the operational current.)
- Provide back-up power supply using UPS.

■ GENERAL PRECAUTIONS

- Before you remove the device or mount it, turn off the power supply for safety.
- Before you remove the terminal block or mount it, turn off the power supply for safety.

■ ENVIRONMENT

- Indoor use.
- Do not install the device where heavy dust or metal particles are present in the air.
- Do not install the device where it is subjected to continuous vibration. Do not subject the device to physical impact.
- Environmental temperature must be within -10 to +55°C (14 to 131°F) with relative humidity within 10 to 90% RH in order to ensure adequate life span and operation.
- Use in clean atmosphere. Do not expose the device for a prolonged period of time to an atmosphere containing vapor of organic solvent or acidic gases, such as paint thinner, acetone, formalin or sulfurous acid gas.
- Do not expose the device to direct sunlight.

- Use a resin DIN rail mounting stopper for safety.

■ WIRING

- Do not install cables close to noise sources (relay drive cable, high frequency line, etc.).
- Do not bind these cables together with those in which noises are present. Do not install them in the same duct.

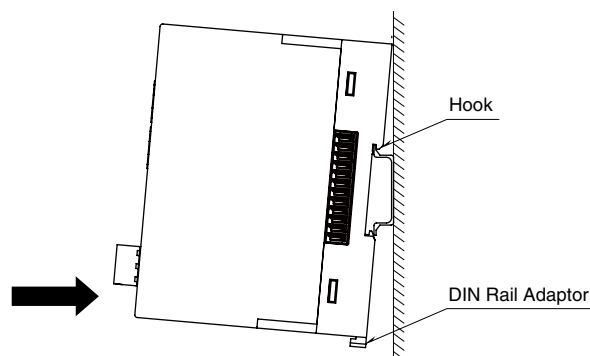
■ AND

- The device is designed to function once the RUN indicator LED turns on, however, a warm up for 10 minutes is required for satisfying complete performance described in the data sheet.
- Do not turn off the power until the RUN indicator LED turns on after turning on the power.
After the RUN indicator LED turns on, the device can be operated.
- When turning off and then on the power, confirm that the RUN indicator LED has completely turned off before turning on the power.

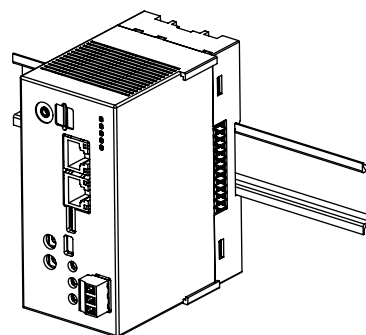
INSTALLATION

Internal power supply/communication is connected via each module's connector, therefore no backplane base is required, however, hot-swapping of modules is not possible.

■ HOW TO MOUNT THE DEVICE

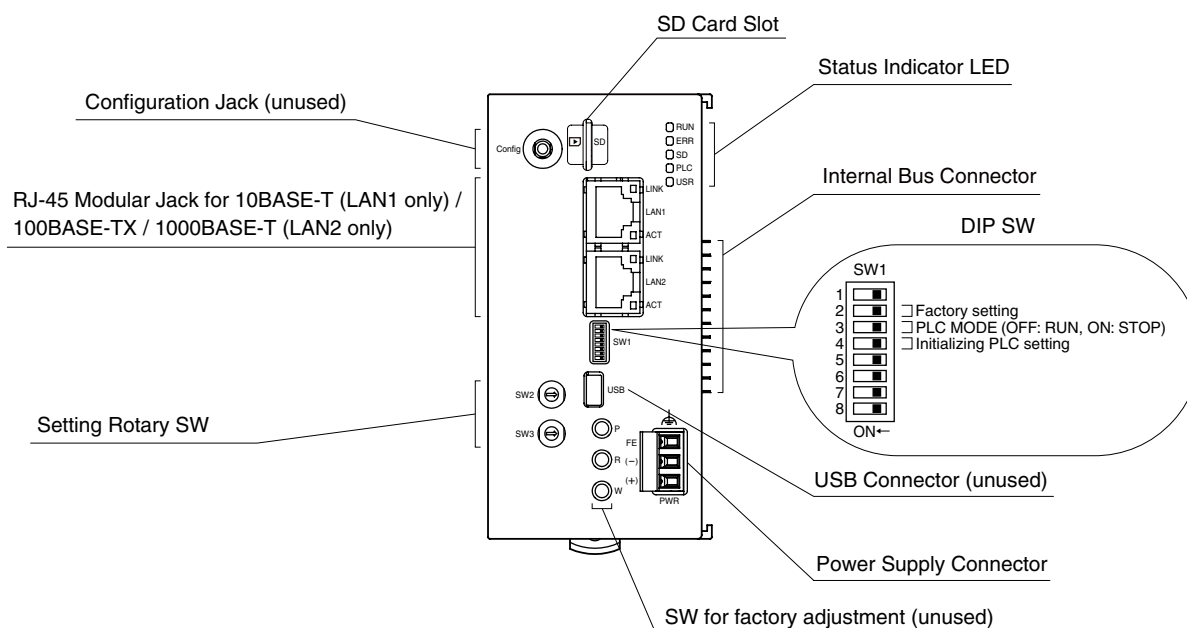


Hang the upper hook at the rear on the DIN rail and push in the lower. When removing the module, push down the DIN rail adaptor and pull.



COMPONENT IDENTIFICATION

■ FRONT VIEW



■ STATUS INDICATOR LED

LED	FUNCTION	CONDITION	
RUN	Operation in progress	ON	The LED turns on when the operation starts after turning on the power, during the operation, when the factory default settings are completed or when initializing the PLC settings are completed.
		OFF	The LED turns off when the operation stops after turning off the power.
ERR	Error	ON	The LED turns on when an error occurs (back-up power supply error), when the factory default settings are completed or when initializing the PLC settings are completed.
		OFF	Normal operation
SD	An SD card is placed or not.	ON	The LED turns on when an SD card is detected, when the factory default settings are completed or when initializing the PLC settings are completed.
		OFF	An SD card is not detected.
PLC	PLC operation in progress	ON	The LED turns on when the PLC operation is in progress, when the factory default settings are completed or when initializing the PLC settings are completed.
		Blinking	PLC wink (The interval is 400 msec. ON and 400 msec. OFF.) PLC has exception (The interval is 200 msec. ON and 200 msec. OFF.) PLC has no Boot Application (The interval is 200 msec. ON, 200 msec. OFF, 200 msec. ON, and 2600 msec. OFF.)
		OFF	PLC is stopped.
USR	Used freely by the user	ON	A user can freely use the LED. The LED turns on when the factory default settings are completed or when initializing the PLC settings are completed.
		OFF	A user can freely use the LED.

■ ETHERNET INDICATOR LED

LED	COLOR	FUNCTION
ACT	Green	ON during communication
LNK	Amber	ON when link is established

■ DIP SW

(*) Factory setting

• SW1

SW1	FUNCTION	DETAIL	
2	Factory default settings	ON	Factory default settings (The setting data on WEB screen and PLC settings are initialized.)
		OFF *	Normal startup
3	PLC mode	ON	STOP
		OFF *	RUN
4	Initializing the PLC settings	ON	The PLC settings are initialized.
		OFF *	Normal startup

Note: Be sure to set unused SW1-1 and 1-5 to 8 to OFF.

In case of switching between factory default settings and PLC setting initialization, turn off the power, set the corresponding SW to ON, and then turn on the power again.

Once again, turn off the power, set the corresponding SW to OFF, and then turn on the power again to start up.

■ POWER SUPPLY TERMINAL ASSIGNMENT

Device side connector: MC1,5/3-G-5,08

(Phoenix Contact)

Cable side connector: MC1,5/3-ST1-5,08

(Phoenix Contact)

	PIN NO.	ID	FUNCTION
1	1	FE ()	Functional earth
2	2	(-)	Power input (0V DC)
3	3	(+)	Power input (24V DC)

■ SETTING ROTARY SWITCH

The setting rotary switches (SW2, 3) are not assigned any functions at the factory setting.

WIRING INSTRUCTIONS

■ EURO TYPE CONNECTOR TERMINAL (power supply)

Applicable connector: MC1,5/3-ST1-5,08 (Phoenix Contact) (included in the package)

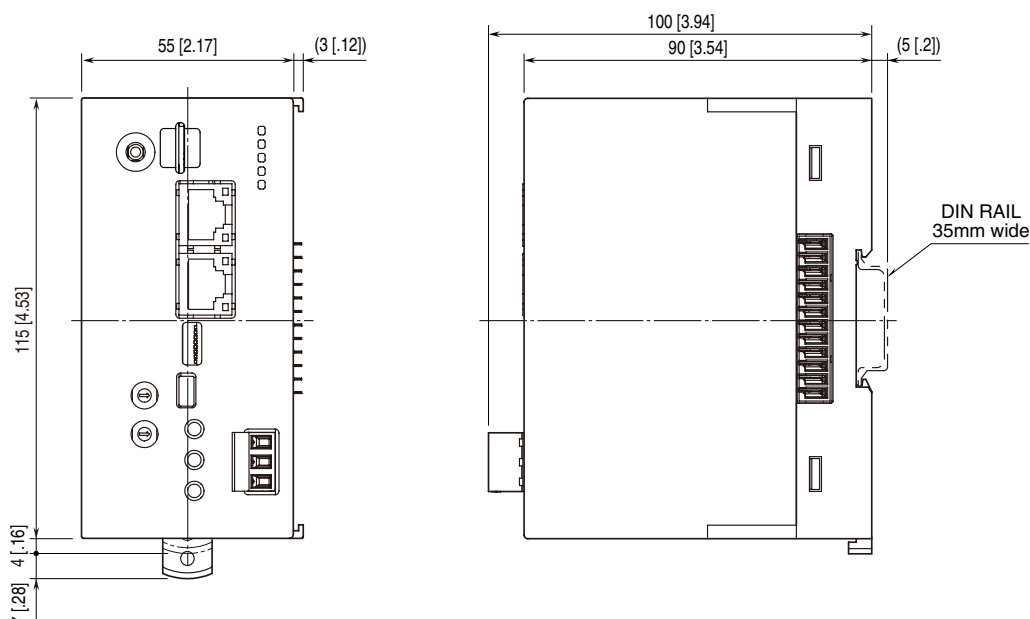
Applicable wire size: 0.08 – 1.5 mm²

Stripped length: 7 mm

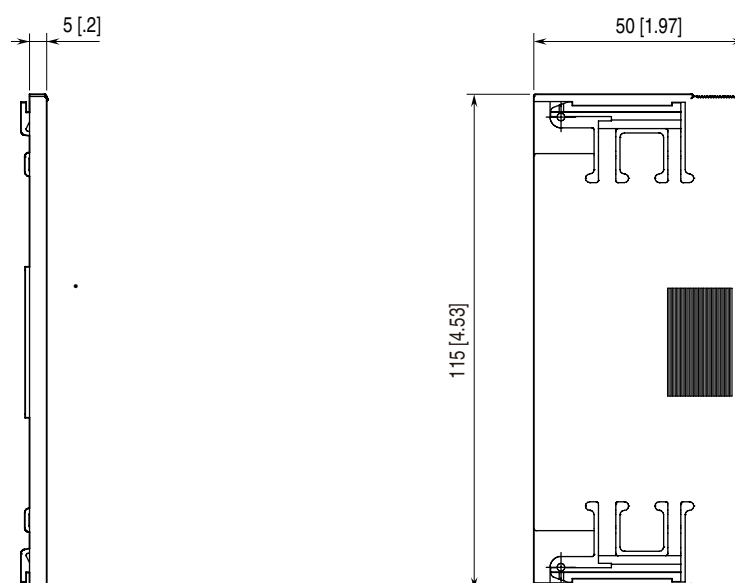
EXTERNAL DIMENSIONS unit: mm [inch]

Connect the device as in the connection diagram.

■ DEVICE



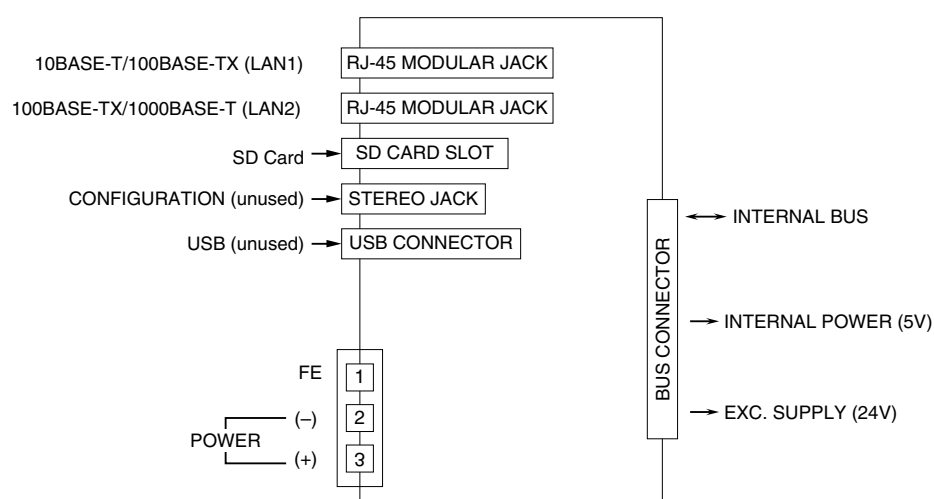
■ PROTECTIVE COVER



■ CONNECTION DIAGRAM

Note: In order to improve EMC performance, bond the FE terminal to ground.

Caution: FE terminal is NOT a protective conductor terminal.



LIGHTNING SURGE PROTECTION

We offer a series of lightning surge protectors for protection against induced lightning surges.

Please consult us for appropriate models.

COMMUNICATION SPECIFICATIONS

■ Ethernet

Communications standard: IEEE 802.3, 802.3u, 802.3ab

Transmission: 10BASE-T (LAN1 only), 100BASE-TX, 1000BASE-T (LAN2 only)

Baud rate: 10, 100, 1000 Mbps (with Auto Negotiation function) (10 Mbps is only for LAN1, 1000 Mbps is only for LAN2)

Transmission cable: 10BASE-T (STP cable category 5), 100BASE-TX (STP cable category 5e),
1000BASE-T (STP cable category 6)

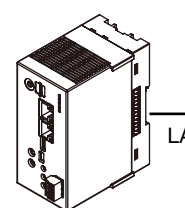
Maximum segment length: 100 meters

SYSTEM CONFIGURATION EXAMPLES

Devices other than the PLC8-NE in below provided by the user.

■ CODESYS EtherCAT

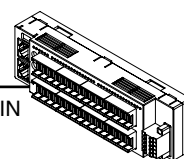
CODESYS EtherCAT Master



PLC
(model: PLC8-NE)

LAN1

EtherCAT Slave

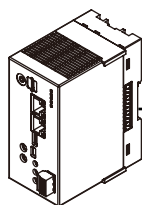


ECT IN

EtherCAT I/O Module
(model: R714DECT-1-DA32A)

■ CODESYS EtherNet/IP

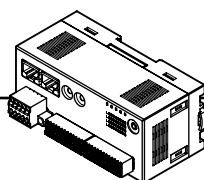
CODESYS EtherNet/IP Scanner



PLC
(model: PLC8-NE)

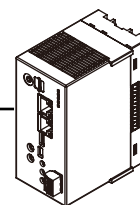
LAN1

EtherNet/IP Adapter



EtherCAT I/O MODULE
(model: R7F4HEIP-DAC16C)

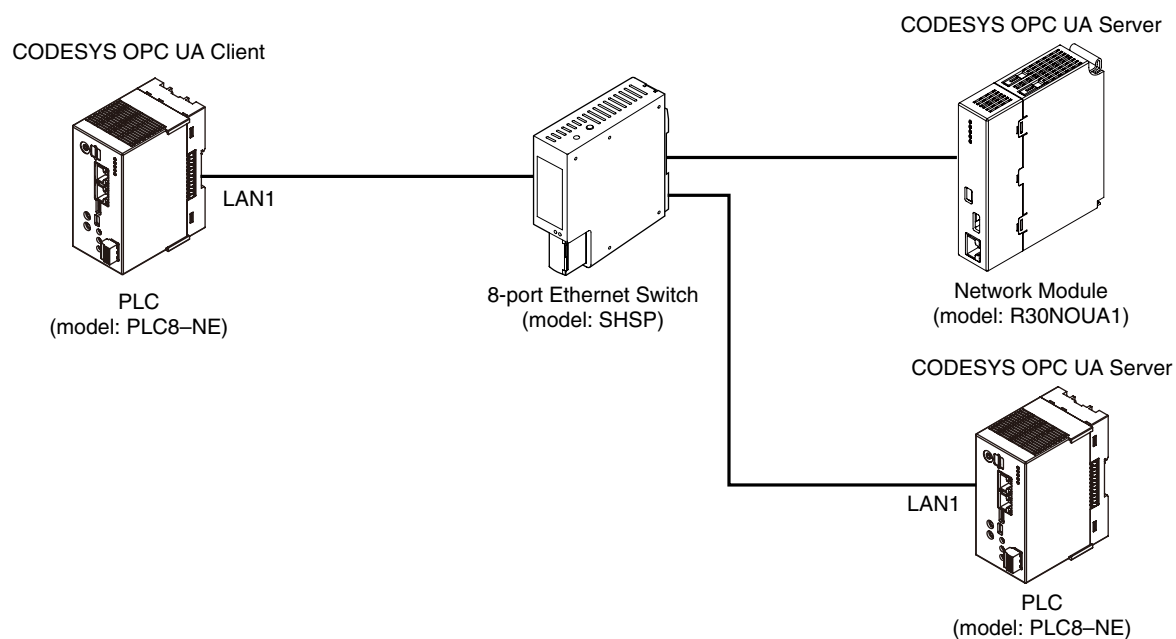
CODESYS EtherNet/IP Adapter



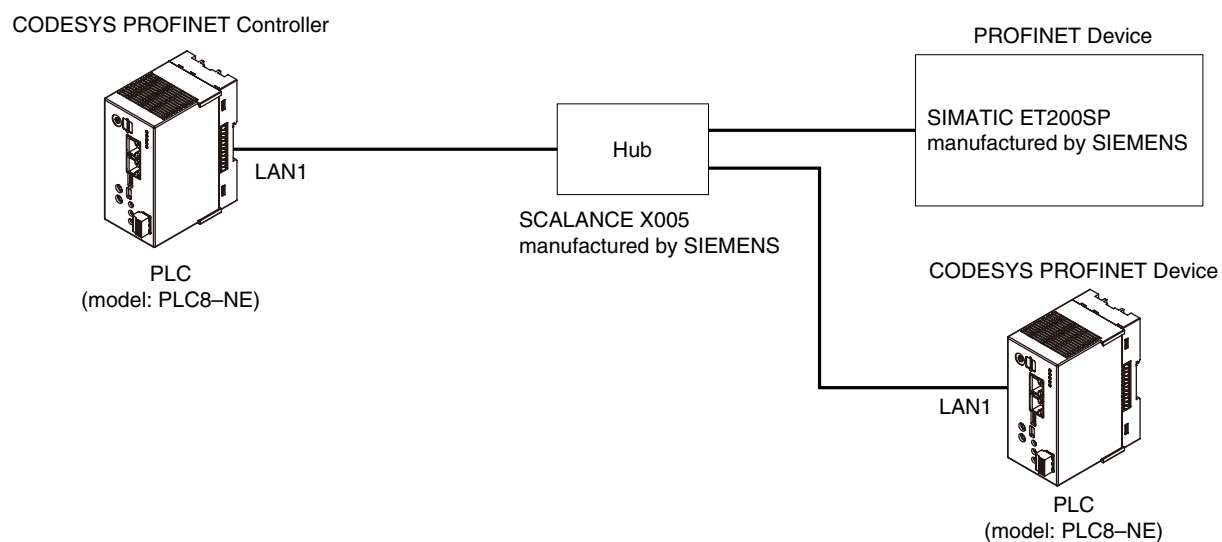
LAN1

PLC
(model: PLC8-NE)

■ CODESYS OPC UA



■ CODESYS PROFINET



WEB BROWSER SETTING

The device can be configured from the web browser on a PC or other device connected via Ethernet.

The configuration function of the device is designed to be usable in many web browser environments, but operation in all web browsers and environments cannot be guaranteed.

Be aware that even with web browsers that have been verified by us, there is a possibility that the display may become corrupted or certain functions may not operate properly depending on the web browser settings or installed security software.

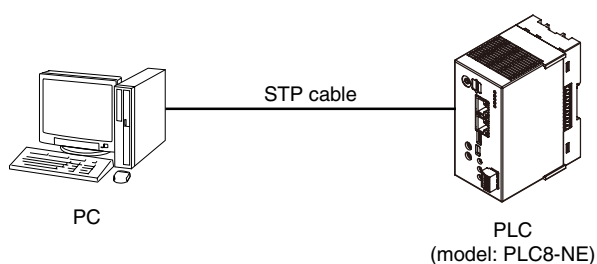
Operation verified system and web browser

SYSTEM	WEB BROWSER
Windows 11	GoogleChrome137.0.7151.69 (Official Build) (64-bit) MicrosoftEdge137.0.3296.62 (Official Build) (64-bit)

■ CONNECTION

If the IP address of the device is 192.168.1.200 (the default setting for LAN1), set the address of the PC or other device used for configuration to 192.168.1.201 etc. that can communicate with 192.168.1.200.

Next, connect LAN1 of the device to the PC or other device used for configuration via Ethernet cable.



After connecting, access <http://192.168.1.200/> on the web browser of the connected PC or other device.

When connecting from LAN2, connect LAN2 of the device to the PC or other device via Ethernet cable, and access <http://192.168.2.200/> on the web browser.

The web browser supports 1 client.

■ LOGIN

After accessing successfully the IP address of the device from the web browser, the following [Login] window is displayed on the web browser.

The screenshot shows a web browser window titled 'PLC Management'. Below the title bar, it says 'Ethernet Interface PLC : PLC8-NE-CIOP-R'. The main content area is a 'Login' window with a blue header. Inside, there is an 'Authentication' section with two input fields: 'User Account' and 'Password'. Below these fields is a 'Login' button. At the bottom of the window, it says 'Copyright(c) 2024 MG Co.,Ltd. All Rights Reserved.'

Log in to the setting window for the device by entering a user name and password, and then clicking [Login] button.

The default setting is as follows.

PARAMETER	DEFAULT
User Account	web_admin
Password	pw_admin

We recommend changing the user name and password after the first login to improve security.

■ MENU

After logging in, the following window is displayed on the web browser.

PLC Management

Ethernet Interface PLC : PLC8-NE-CIOP-R

Menu

- Information
- ▼ Network
 - ▼ LAN
 - IP Config
 - Port Config
 - ▼ DHCP
 - Config
 - Status
 - Filter
 - Static Routing
- Clock
- User
- ▼ System
 - Service
 - Maintenance
- License
- Logout

Information

Information		
Product Name		PLC8-NE-CIOP-R
Serial Number		12345678
LAN1	MAC Address	00:14:2D:FE:19:9D
	IP Address	192.168.1.200
	Broadcast Address	192.168.1.255
	Subnet Mask	255.255.255.0
LAN2	MAC Address	00:14:2D:EE:19:9D
	IP Address	192.168.2.200
	Broadcast Address	192.168.2.255
	Subnet Mask	255.255.255.0
BSP Version		5.7.5-devel-20250516011014+build.0
Kernel Version		5.4.193-rt74-5.7.5-devel+git.eb8d1c92da04
APP Version		1.0.0.15
APP Date		2025-07-30

Copyright(c) 2024 MG Co.,Ltd. All Rights Reserved.

The [Menu] section is displayed on the left side of the window with multiple setting items.
The parameters are as follows.

NO.	PRIMARY ITEM	SECONDARY ITEM	TERTIARY ITEM	DETAIL
A	Information			Information is displayed.
B	Network	LAN	IP Config	IP address setting
			Port Config	LAN port setting
		DHCP	Config	DHCP setting
			Status	DHCP assignment status is displayed.
		Filter		Network filter setting
		Static Routing		Static routing setting
C	Clock			Clock setting
D	User			User setting
E	System	Service		Service setting
		Maintenance		Maintenance setting
F	License			The license is displayed.
G	Logout			Logout

■ WINDOW DESCRIPTION

(1) Information

After logging in or after selecting [Information] from the menu, the following window is displayed on the web browser.

PLC Management

Ethernet Interface PLC : PLC8-NE-CIOP-R

Menu
[Information](#)
▼ Network
▼ LAN
[IP Config](#)
[Port Config](#)
▼ DHCP
[Config](#)
[Status](#)
[Filter](#)
[Static Routing](#)
[Clock](#)
[User](#)
▼ System
[Service](#)
[Maintenance](#)
[License](#)
[Logout](#)

Information

Information			
A	Product Name	PLC8-NE-CIOP-R	
B	Serial Number	12345678	
C	LAN1	MAC Address	00:14:2D:FE:19:9D
		IP Address	192.168.1.200
		Broadcast Address	192.168.1.255
		Subnet Mask	255.255.255.0
D	LAN2	MAC Address	00:14:2D:EE:19:9D
		IP Address	192.168.2.200
		Broadcast Address	192.168.2.255
		Subnet Mask	255.255.255.0
E	BSP Version	5.7.5-devel-20250516011014+build.0	
F	Kernel Version	5.4.193-rt74-5.7.5-devel+git.eb8d1c92da04	
G	APP Version	1.0.0.15	
H	APP Date	2025-07-30	

Copyright(c) 2024 MG Co.,Ltd. All Rights Reserved.

The following information is displayed on [Information] window.

NO.	PARAMETER	DETAIL	NOTE
A	Product Name	–	
B	Serial Number	–	
C	LAN1	LAN1 network setting MAC Address IP Address Broadcast Address Subnet Mask	IP Address, Broadcast Address and Subnet Mask are displayed only when link is established.
D	LAN2	LAN2 network setting MAC Address IP Address Broadcast Address Subnet Mask	IP Address, Broadcast Address and Subnet Mask are displayed only when link is established.
E	BSP Version	–	
F	Kernel Version	Linux Kernel Version	
G	APP Version	Application Version	
H	APP Date	Application Released Date	

(2) Network

■ LAN

• LAN-IP Config

After selecting [Network] > [LAN] > [IP Config] from the menu, the following window is displayed on the web browser.

The screenshot shows the 'PLC Management' web interface. The title bar indicates 'Ethernet Interface PLC : PLC8-NE-CIOP-R'. The left sidebar menu is expanded to 'LAN' > 'IP Config'. The main content area is titled 'LAN Configuration' and contains the following fields and buttons:

- Interface:** A dropdown menu showing 'LAN1'.
- DHCP Client:** A dropdown menu showing 'Disable'.
- IP Address:** A text input field containing '192.168.1.200'.
- Subnet Mask:** A dropdown menu showing '255.255.255.0'.
- Default Gateway:** An empty text input field.
- DNS:** An empty text input field.
- Buttons:** 'Cancel', 'Set', and 'Apply' buttons are located at the bottom of the configuration area.

Red letters A through I are overlaid on the image to identify specific elements: A points to the Interface dropdown, B to the DHCP Client dropdown, C to the IP Address field, D to the Subnet Mask dropdown, E to the Default Gateway field, F to the DNS field, G to the Cancel button, H to the Set button, and I to the Apply button.

The settings such as LAN IP address can be checked and changed.

The parameters, setting ranges, and button operations are as follows.

NO.	PARAMETER	DETAIL	SETTING RANGE	NOTE
A	Interface	Network interface	LAN1 / LAN2 / LAN1+LAN2	Regarding [LAN1+LAN2], 2 ports are switched.
B	DHCP Client	DHCP is enabled / disabled..	Disable / Enable	Default: [Disable] In case of [Enable], information such as the device IP address is automatically obtained from DHCP server* to set automatically.
C	IP Address	–	0.0.0.0 to 255.255.255.255 blank	Configurable only when DHCP is disabled. Default: 192.168.1.200 (LAN1) 192.168.2.200 (LAN2)
D	Subnet Mask	–	128.0.0.0 to 255.255.255.255	Configurable only when DHCP is disabled. Default: 255.255.255.0
E	Default Gateway	–	0.0.0.0 to 255.255.255.255 blank	Configurable only when DHCP is disabled. Default: blank
F	DNS	DNS server	0.0.0.0 to 255.255.255.255 blank	Configurable only when DHCP is disabled. Default: blank
G	[Cancel] button	The changed settings are canceled.		
H	[Set] button	The changed settings are saved in a setting file.		
I	[Apply] button	The setting file is applied to the network setting.		Click the button in the order of [Set] > [Apply].

* It is not the DHCP server function of the device.

• LAN-Port Config

After selecting [Network] > [LAN] > [Port Config] from the menu, the following window is displayed on the web browser.

PLC Management
Ethernet Interface PLC : PLC8-NE-CIOP-R

Menu
Information
▼ Network
 ▼ LAN
 IP Config
 Port Config
 ▼ DHCP
 Config
 Status
 Filter
 Static Routing
 Clock
 User
▼ System
 Service
 Maintenance
 License
 Logout

LAN

LAN Port Configuration

A Interface: LAN1
B Auto Negotiation: Enable
C Speed: 100Mbps
D Duplex: Full

E Cancel F Set

Copyright(c) 2024 MG Co.,Ltd. All Rights Reserved.

The LAN port setting can be checked and changed.

The parameters, setting ranges, and button operations are as follows.

NO.	PARAMETER	DETAIL	SETTING RANGE	NOTE
A	Interface	Network interface	LAN1 / LAN2	Default: LAN1
B	Auto Negotiation	Auto negotiation is enabled / disabled.	Disable / Enable	Default: [Enable]
C	Speed	Communication speed	10 Mbps / 100 Mbps / 1 Gbps	Configurable only when the auto negotiation is disabled. Default: 100 Mbps
D	Duplex	Full-duplex / Half-duplex	Full / Half	Configurable only when the auto negotiation is disabled. Default: Full
E	[Cancel] button	The changed settings are canceled.		
F	[Set] button	The changed settings are saved in a setting file.		

■ DHCP

• DHCP-Config

After selecting [Network] > [DHCP] > [Config] from the menu, the following window is displayed on the web browser.

The DHCP server assigns IP addresses to I/O when the I/O settings are set to DHCP enabled.

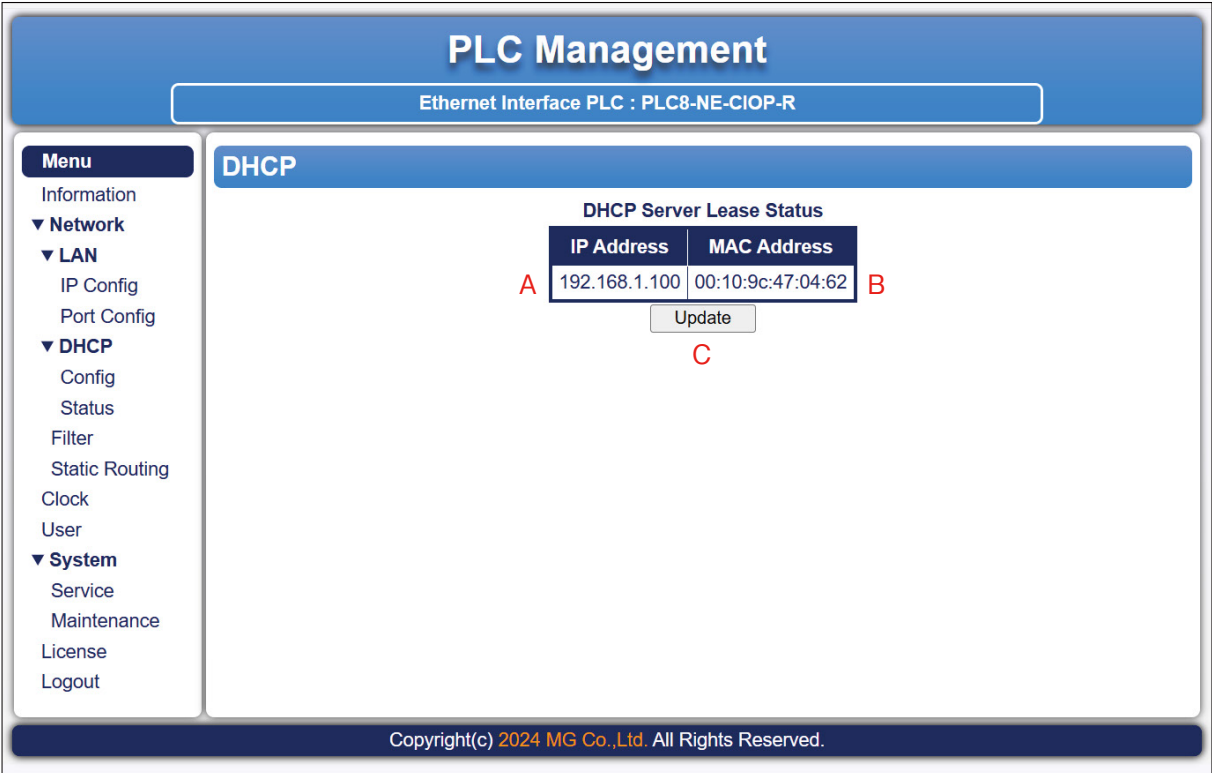
It is possible to check/change DHCP server settings, configure fixed IP addresses, and view the fixed IP address assignment list. The parameters, setting ranges, and button operations are as follows.

NO.	PARAMETER	DETAIL	SETTING RANGE	NOTE
A	DHCP Server	DHCP server is enabled / disabled..	Disable / Enable	Default: Disable
B	Interface	Network interface	LAN1 / LAN2 / LAN1+LAN2	Configurable only when DHCP is enabled. Default: LAN1
C	Lease IP Address Range Offset	IP address allocation offset	1 to 254	Configurable only when DHCP is enabled. Default: 100
D	Lease IP Address Range Count	Number of IP addresses allocated	1 to 254 and Offset + Count < 256	
E	Lease Time	IP address allocation period [sec.]	300 to 86400	Configurable only when DHCP is enabled. Default: 600
F	Fixed IP Address Setting	Fixed IP Addresses are assigned.	Select the checkbox.	When the checkbox is selected, fixed IP addresses can be assigned to each I/O module.
G	MAC Address	–	00:00:00:00:00:00 to FF:FF:FF:FF:FF:FF	Configurable only when the [Fixed IP Address Setting] is selected. Specify the MAC address of the I/O module to specify the IP address.
H	IP Address	–	0.0.0.0 to 255.255.255.255	Configurable only when the [Fixed IP Address Setting] is selected.
I	[Add] button	Added to [Fixed IP Address List]		
J	Fixed IP Address List	Fixed IP address assignment list	–	Displayed only when the [Fixed IP Address Setting] is selected.
K	[Delete] button	A selected list is deleted.		Enabled only when a list is selected.
L	[Delete all] button	All lists are deleted.		
M	[Cancel] button	The changed settings are canceled.		
N	[Set] button	The changed settings are set.		

* When LAN1 IP address is 192.168.1.200, Offset is 100 and Count is 100, Lease IP Address Range is 192.168.1.100 to 192.168.1.199.

• DHCP-Status

After selecting [Network] > [DHCP] > [Status] from the menu, the following window is displayed on the web browser.



The status of the DHCP server can be viewed.
The displayed content is as follows.

NO.	PARAMETER	DETAIL
A	IP Address	Allocated IP address
B	MAC Address	Allocated MAC address of the device
C	[Update] button	The status is updated.

■ Filter

After selecting [Network] > [Filter] from the menu, the following window is displayed on the web browser.

The screenshot shows the 'PLC Management' web interface. The top bar is blue with the title 'PLC Management' and a subtitle 'Ethernet Interface PLC : PLC8-NE-CIOP-R'. On the left is a 'Menu' sidebar with options like Information, Network, LAN, DHCP, Config, Status, Filter, Static Routing, Clock, User, System, Service, Maintenance, License, and Logout. The main area is titled 'Filter' and contains two sections: 'Filter Configuration' and 'Filter List'.

Filter Configuration: This section has a form with the following fields and labels:

- A** Interface: A dropdown menu showing 'LAN1'.
- B** Protocol: A dropdown menu showing 'icmp'.
- C** Src Port: A text input field.
- D** Dst Port: A text input field.
- E** Src Address: A text input field.
- F** Dst Address: A text input field.
- G** Comment: A text input field.
- H** Add: A button to add the configuration.

Filter List: This section displays a table of existing filter configurations. Below the table are buttons for 'Delete' (labeled J), 'Delete all' (labeled K), 'Cancel' (labeled L), and 'Set' (labeled M).

	Interface	Protocol	Src Port	Dst Port	Src Address	Dst Address	Comment
☐	ALL	icmp					ICMP
☐	ALL	tcp		80			HTTP
☐	ALL	tcp		443			HTTPS
☐	ALL	tcp		1217			Codesys Gateway
☐	ALL	tcp		8000			WebVisu
☐	ALL	tcp		11740:11743			Codesys
☐	ALL	udp		1740:1743			Codesys

The filter settings can be viewed and changed.

The Filter list communication is from external to internal of PLC8.

Communication listed in the filter list is permitted.

The parameters, settings, and button operations are as follows.

NO.	PARAMETER	DETAIL	SETTING RANGE	NOTE
A	Interface	Network interface	LAN1 / LAN2 / LAN1+LAN2 / ALL	Default: LAN1
B	Protocol	Network protocol	icmp / tcp / udp	Default: icmp
C	Port	Port number	1 to 65535 When a range is specified, [start port] : [last port]	Default: blank Not configurable in case of icmp.
D	Comment	Comment	32 characters	Default: blank
E	[Add] button	Setting items are added.		
F	Filter List	Item list of filter setting		
G	[Delete] button	A selected list is deleted.		Enabled only when a list is selected.
H	[Delete all] button	All lists are deleted.		
I	[Cancel] button	The changed settings are canceled.		
J	[Set] button	The changed settings are set.		

■ Static Routing

After selecting [Network] > [Static Routing] from the menu, the following window is displayed on the web browser.

PLC Management
Ethernet Interface PLC : PLC8-NE-CIOP-R

Menu

- Information
- ▼ **Network**
 - ▼ **LAN**
 - IP Config
 - Port Config
 - ▼ **DHCP**
 - Config
 - Status
 - Filter
 - Static Routing
 - Clock
 - User
- ▼ **System**
 - Service
 - Maintenance
 - License
 - Logout

Static Routing

Static Routing Configuration

A Interface: LAN1 Add

B Destination: 224.0.1.1 D

C Subnet Mask: 255.255.255.255

E Static Routing List

	Destination	Subnet Mask
☐	224.0.1.1	255.255.255.255

F Delete Delete all G

H Cancel Set I

Copyright(c) 2024 MG Co.,Ltd. All Rights Reserved.

It is possible to change the static routing and view the static routing list.

Configure the static routing so that the network interface to be used is determined depending on the destination.

The parameters are as follows.

NO.	PARAMETER	DETAIL	SETTING RANGE	NOTE
A	Interface	Network interface	LAN1 / LAN2 / LAN1+LAN2	Default: LAN1 In case of [LAN1+LAN2], the system searches for the routing destination for both LAN1 and LAN2, and communication is performed on the port where the routing destination is found.
B	Destination	IP address to be routed	0.0.0.0 to 255.255.255.255	Default: blank
C	Subnet Mask	–	128.0.0.0 to 255.255.255.255	Default: 128.0.0.0
D	[Add] button	Setting items are added.		
E	Static Routing List	–		
F	[Delete] button	A static routing is deleted.		Items with selected checkboxes are deleted.
G	[Delete all] button	All static routing are deleted.		
H	[Cancel] button	The changed settings are canceled.		
I	[Set] button	The changed settings are saved in a setting file.		

(3) Clock

After selecting [Clock] from the menu, the following window is displayed on the web browser.

The clock settings can be viewed and changed.

The parameters, settings, and button operations are as follows.

NO.	PARAMETER	DETAIL	SETTING RANGE	NOTE
A	Configuration Type	How to set the time	Manual: The date and time entered manually are set. PC: The date and time of the PC are set. NTP: The date and time of NTP server are set.	
B	Time	—	00:00:00 to 23:59:59	Configurable only when [Manual] is selected. Default: Current time
C	Date	—	2000-01-01 to 2099-12-31	Configurable only when [Manual] is selected. Default: Current date
D	Timezone	—	Africa/Abidjan to UTC	Default: Asia/Tokyo
E	RTC Synchronization	—	Disable / Enable	Default: Disable In case of enable, the time is synchronized with the internal RTC of the device. Note that in case of enable, the system time may revert to a past time.
F	NTP Server 1	—	IP address of NTP server / domain name of NTP server	Configurable only when [NTP] is selected. Default: blank
G	NTP Server 2			
H	NTP Server 3			
I	[Cancel] button	The changed settings are canceled.		
J	[Set] button	The changed settings are set.		

(4) User

After selecting [User] from the menu, the following window is displayed on the web browser.
[Create User], [Change Password] and [Delete User] can be switched using the radio buttons at the top of the window.

PLC Management

Ethernet Interface PLC : PLC8-NE-CIOP-R

Menu

Information

▼ Network

▼ LAN

IP Config

Port Config

▼ DHCP

Config

Status

Filter

Static Routing

Clock

User

▼ System

Service

Maintenance

License

Logout

User

☒ Create User ☐ Change Password ☐ Delete User

Create User

A

User Account

B

Password

C

Retype Password

D

Cancel

E

Create

Copyright(c) 2024 MG Co.,Ltd. All Rights Reserved.

• Create User

A new user can be created by setting a user name and password.
The parameters, settings, and button operations are as follows.

NO.	PARAMETER	DETAIL	SETTING RANGE	NOTE
A	User Account	User name	1 to 15 characters	A registered user name cannot be set.
B	Password	–	0 to 15 characters	
C	Retype Password	–	0 to 15 characters	
D	[Cancel] button	The entered settings are canceled.		
E	[Create] button	A new user is created with the entered settings.		

• Change Password

After selecting [Change Password] at the top of the window, the following window is displayed on the web browser.

PLC Management

Ethernet Interface PLC : PLC8-NE-CIOP-R

Menu

Information

▼ Network

▼ LAN

IP Config

Port Config

▼ DHCP

Config

Status

Filter

Static Routing

Clock

User

▼ System

Service

Maintenance

License

Logout

User

Create User

☒

Change Password

☐

Delete User

Change Password

A

User Account

web_admin

▼

B

Current Password

C

New Password

D

Retype Password

E

Cancel

F

Change

Copyright(c) 2024 MG Co.,Ltd. All Rights Reserved.

The password of user account can be changed.
The parameters, settings, and button operations are as follows.

NO.	PARAMETER	DETAIL	SETTING RANGE	NOTE
A	User Account	Select a user name.	Registered user list	
B	Current Password	Enter the current password.	0 to 15 characters	
C	New Password	Enter the new password.		
D	Retype Password	Enter the new password again.		
E	[Cancel] button	The entered settings are canceled.		
F	[Change] button	The password is changed to the new password.		

• Delete User

After selecting [Delete User] at the top of the window, the following window is displayed on the web browser.

PLC Management

Ethernet Interface PLC : PLC8-NE-CIOP-R

Menu

Information

▼ Network

▼ LAN

IP Config

Port Config

▼ DHCP

Config

Status

Filter

Static Routing

Clock

User

▼ System

Service

Maintenance

License

Logout

User

Create User

Change Password

Delete User

Delete Account

A

User Account

web_admin

B

Cancel

C

Delete

Copyright(c) 2024 MG Co.,Ltd. All Rights Reserved.

The user account can be deleted.
The parameters, settings, and button operations are as follows.

NO.	PARAMETER	DETAIL	SETTING RANGE	NOTE
A	User Account	Select a user name.	Registered user list	“web_admin“ cannot be deleted.
B	[Cancel] button	The entered settings are canceled.		
C	[Delete] button	The selected user is deleted.		

(5) System

• Service

After selecting [System] > [Service] from the menu, the following window is displayed on the web browser.

PLC Management

Ethernet Interface PLC : PLC8-NE-CIOP-R

Menu

Information

▼ Network

▼ LAN

IP Config

Port Config

▼ DHCP

Config

Status

Filter

Static Routing

Clock

User

▼ System

Service

Maintenance

License

Logout

Service

Service Configuration

Service	Auto Run	Status
A CODESYS	☒ Enable ☐ Disable	☒ Start ☐ Stop

B Cancel

C Set

Copyright(c) 2024 MG Co.,Ltd. All Rights Reserved.

CODESYS operation settings can be configured.
Set Auto Run to “Enable” and Status to “Start” before using.
The parameters, settings, and button operations are as follows.

NO.	PARAMETER	DETAIL	SETTING RANGE	NOTE
A	CODESYS	CODESYS operation setting	Auto Run: Enable / Disable	Auto Run: Enable/disable automatic startup at turning on the device. Default: Enable
			Status: Start / Stop	Status: Start/stop the current service. Default: Start
B	[Cancel] button	The changed settings are canceled.		
C	[Set] button	The changed settings are set.		

• Maintenance

After selecting [System] > [Maintenance] from the menu, the following window is displayed on the web browser.

PLC Management
Ethernet Interface PLC : PLC8-NE-CIOP-R

Menu
Information
▼ Network
▼ LAN
IP Config
Port Config
▼ DHCP
Config
Status
Filter
Static Routing
Clock
User
▼ System
Service
Maintenance
License
Logout

Maintenance

Update
A **APP Update** No file chosen

Configuration
B **Initialize Configuration**
C **Backup Configuration**
D **Restore Configuration** No file chosen

SD Card
E **SD Card Unmount**

System
F **System Information**
G **System Log**
H **System Restart**
I **System Shutdown**

Copyright(c) 2024 MG Co.,Ltd. All Rights Reserved.

The maintenance of the device can be performed.

The parameters, settings, and button operations are as follows.

NO.	PARAMETER	DETAIL	NOTE
A	APP Update	The application is updated.	Click [Choose file] button to select the version update file (extension: .tar.gz), and execute by clicking [Update] button.
B	Initialize Configuration	The setting data is initialized.	Execute by clicking [Initialize] button. Settings configured on the web browser are initialized excluding time settings. (PLC settings will not be initialized).
C	Backup Configuration	The setting data is backed up.	Click [Backup] button to save the setting file (extension: .tar.gz) to the PC.
D	Restore Configuration	The setting data is restored.	Click [Choose file] button to select the backed up setting file (extension: .tar.gz), and execute by clicking [Restore] button.
E	SD Card Unmount	The SD card is removed.	After executing by clicking [Unmount] button, confirm that the SD indicator LED has turned off and remove the SD card.
F	System Information	The system information is obtained.	Click [Download] button to save the file (extension: .tar.gz) to the PC.
G	System Log	The system log is obtained.	
H	System Restart	—	Do not perform this operation. If executed by mistake, turn off and then on the power supply to the device.
I	System Shutdown		

(6) License

After selecting [License] from the menu, the following window is displayed on the web browser.

PLC Management

Ethernet Interface PLC : PLC8-NE-CIOP-R

Menu

Information

▼ Network

▼ LAN

IP Config

Port Config

▼ DHCP

Config

Status

Filter

Static Routing

Clock

User

▼ System

Service

Maintenance

License

Logout

License

Open Source Software License

A

Package Name

alsa-lib

B

Package Version

1.2.1.2

C

License

LGPLv2.1 & GPLv2+

D

Download

Copyright(c) 2024 MG Co.,Ltd. All Rights Reserved.

The license of the device is displayed.
The parameters and button operations are as follows.

NO.	PARAMETER	DETAIL
A	Package Name	The package list used in the device
B	Package Version	The version of the selected package
C	License	OSS license of the selected package
D	[Download] button	The license file of the selected package is save to the PC.

(7) Logout

Select [Logout] from the menu to log out from the web settings window and transition to the login screen.