External Ethernet Card Reader Setting Guide

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Introduction

The following two types of Ethernet card readers are supported by RICOH Streamline NX version 3.1: RF IDeas Ethernet 241 and Inepro IP Reader.

When a user logs in to the device by holding the card over the card reader, all print jobs owned by the logged-in user will be printed. The logged-in user cannot perform other operations, such as selecting jobs to be printed or using delivery services, and so on.

To use the Ethernet card reader, the following configurations are necessary:

● Installing the optional support when installing the Delegation Server

● Associating the Ethernet card reader with a Delegation Server (Ethernet 241 only)

● Mapping the Ethernet card reader with a Device (Inepro IP Reader only)

⬇ Note

● To set up Inepro IP Reader to send card information to the Delegation Server, the configuration tool for the reader is necessary. Ask the dealer for the tool at the time of purchase.

Installing Support for Ethernet Card Reader

Install the optional support for the Ethernet connected card readers as follows:

1. During the installation of RICOH Streamline NX Delegation Server, select [Custom] on the "Setup Type" window.

2. Select [External Card Reader: RF Ideas Ethernet 241] and/or [External Card Reader: Inepro IP Reader] under [Options].

3. Complete the installation process.

Associating the Delegation Server with Ethernet 241

To use Ethernet 241, first specify the release code for the card reader using the Management Console. Then, via the RF IDeas Ethernet 241 Web Interface, configure the Delegation Server with which Ethernet 241 communicates.

1. In the Management Console, click the following items in the navigation tree to open the [Delegation Server Settings] tab.
   [System] > [Server Settings] > [Delegation Server Settings]
2. Click the [Security] tab.
3. In [Ethernet Card Reader Release Code], enter the release code for the Ethernet card reader.
4. Open the RF IDeas Ethernet 241 Web Interface.
5. On the [Ports] tab, set "SSL" to "Enabled" if using SSL for communication.
6. On the [Server] tab, configure the "Init Server IP" or "Init Server Url" to point to the Delegation Server.
7. On the [Server] tab, configure the "Data Server IP" or "Data Server Url" to point to the Delegation Server.
8. On the [Server] tab, configure the "Init Server Str" with the following:
   "/rest/cardservices/initReleasePrint?ipAddress241=$5"
9. On the [Server] tab, configure the "Data Server Str" with the following:
   "/rest/cardservices/authUserCredsAndReleasePrint?cardId=$1&ipAddress241=$5&printerMacAddress=$6&printerIpAddress=$7&firmawareVersion241=$9&numberOfBitsInCard=$a&cardIdHexadecimal=$b&secKey=xxxxxx".
   Replace xxxxxx with the release code configured in Step 3.

⬇ Note

- To locate Ethernet 241 on the network, you will need Ethernet 241 Discovery Tool which is available at the following URL:
  https://www.rfideas.com/support/downloads
- For details about configuration using the Management Console, see "10. List of Setting Items", Administrator's Guide.
- For details about configuration using the RF IDeas Ethernet 241 Web Interface, see the manual provided with Ethernet 241.

Mapping Inepro IP Reader with a Device

You must provide a mapping file that maps the MAC address of Inepro IP Reader to the IP address of the device to be connected. Follow the procedure below to edit the mapping file.

⭐ **Important**

- The mapping file should be provided for the Delegation Server whose device list contains the device to be connected to the Inepro IP Reader.

1. Open the Inepro mapping file from the data storage location specified during installation.
   data/cardreaders/inepro/IneproMappingFile.txt
2. Add a new entry for the Inepro IP Reader and a device to be associated with it. Add the Inepro IP Reader's MAC address, and then the device's IP address. The format for the entry is as follows:
   MACAddress,IPAddress (e.g. A0:B1:C2:D3:E4:F5, 123.123.123.123)