
1. Summary

This technical note explains the current and past licensing schemes and their activation mechanisms for the AxTraxNG Server.

2. Licensing Schemes

The AxTraxNG Server license levels use two different definitions depending on the version of the server software in use.

- The level is defined by number of readers

From AxTraxNG Server v27.5 or above, the license levels are now defined by a quantity of readers regardless of the number of panels that may be in the system. The level definitions are as follows:

Level	Number of Readers
Level 0*	256 (free)
Level 1	1024
Level 2	2048
Level 3	over 2048

*Level 0 is free and does not require any license activation

For calculation purposes, the number of readers per type of controller/expansion combination is calculated by the below table regardless of whether the panel/expansion has readers connected or not:

Panel/Expansion Combination	Reader Count
AC-215(IP)	2
AC-225(IP)	2
AC-225(IP) with MD-D02 (piggyback)	4
AC-425(IP)	4
AC-425(IP) with MD-D04 (piggyback)	8
AC-825IP	6
AC-825IP with D805 (piggyback)	10
D805 (RS485)	4

- Level defined by number of panels

For all versions of AxTraxNG server before v27.5, the license levels were defined by quantity of panels in the system. The level definitions are as follows:

Level	Number of Readers
Level 0*	1 to 64 (free)
Level 1	65 to 256
Level 2	257 to 512
Level 3	over 512

*Level 0 is free and does not require any license activation

For clarification purposes, each AC-215(IP), AC-225(IP), AC-425(IP) is considered to be 1 panel regardless of whether it has an expansion board piggyback attached on top or not.

Each AC-825IP is considered to be 1 panel regardless of whether it has an expansion piggyback board attached on top or not. Each x805 expansion connected via RS-485 to an AC-825IP is considered to be 1 panel.

3. License Activation Mechanism

AxTraxNG server licenses use two different mechanisms for license activation depending on the version of the server software in use.

- **Hardware linked License File (AxTraxNG v27.0 or above)**

From AxTraxNG server v27.0 or above, activation of the server license requires the use of a License File during the registration process.

The License File contains the relevant information of the features that are to be enabled by the license as well as hardware details of the computer where the AxTraxNG server is installed.

To generate a License File for your AxTraxNG Server, a Rosslare customer service representative requires the computer's Hardware ID and a purchase order for the license level requested.

The hardware ID can be found in the Registration dialog box of the AxTraxNG client or by using Rosslare's Hardware ID Utility. To download the Rosslare Hardware ID Utility, [click this link](#).

The hardware ID contains basic information about the computer hardware including the BIOS, CPU, hard disks, mainboard and operating system by linking the License File to your hardware.

Should you make minor changes in your hardware such as replacing the CPU, the License File continues to be valid. However, two major changes to the basic hardware will cause the license to be obsolete and a new Hardware ID is required to generate a replacement License File.

The license file used for AxTraxNG Server v27.0 does not function with AxTrax server v27.5 or above. If you are already using a license file for v27.0, you need to update your license file when you upgrade to v27.5 or above.

- **HASP Key**

For all versions of AxTraxNG server before v27.0, license activation required a HASP Key. The HASP key is a type of USB dongle that contains a technology for hardware anti-software piracy as well as a special memory that contains the license details.

The AxTraxNG server software could detect the presence of the HASP key and then activate the features as stored in the license code within the HASP key.

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