

AlliedWare Plus™ OS

How To | Get Feature License Keys

Introduction

This How To Note is designed to help you familiarise yourself with the Allied Telesis feature license system for the AlliedWare Plus operating system.

Licensing features is a simple process:

1. Request the license (see "Requesting a feature key" on page 3)
2. Your Allied Partner creates you a *feature key* and the system emails you the details of that key. Visit our website to activate the key (see "Activating the feature key" on page 4). This generates a password.
3. Enter that password on each switch (see "Activating the feature on the switch" on page 7).

The Note ends by describing how to troubleshoot licensing issues (see "Troubleshooting" on page 9).

Related How To Notes

This How To Note is part of a series of Notes about basic features of the AlliedWare Plus OS. The other Notes in the series are:

- *AlliedWare Plus™ OS: How To Get Started With The AlliedWare Plus™ Operating System*
- *AlliedWare Plus™ OS: How To Configure Basic Switching Functionality*

These How To Notes are available from the How To Library at www.alliedtelesis.com/resources/literature/howto_plus.aspx.

Which products and software version does it apply to?

The new license system applies to the following Allied Telesis switches, running AlliedWare Plus Software Version 5.2.1 or later:

- SwitchBlade x908
- x900 series

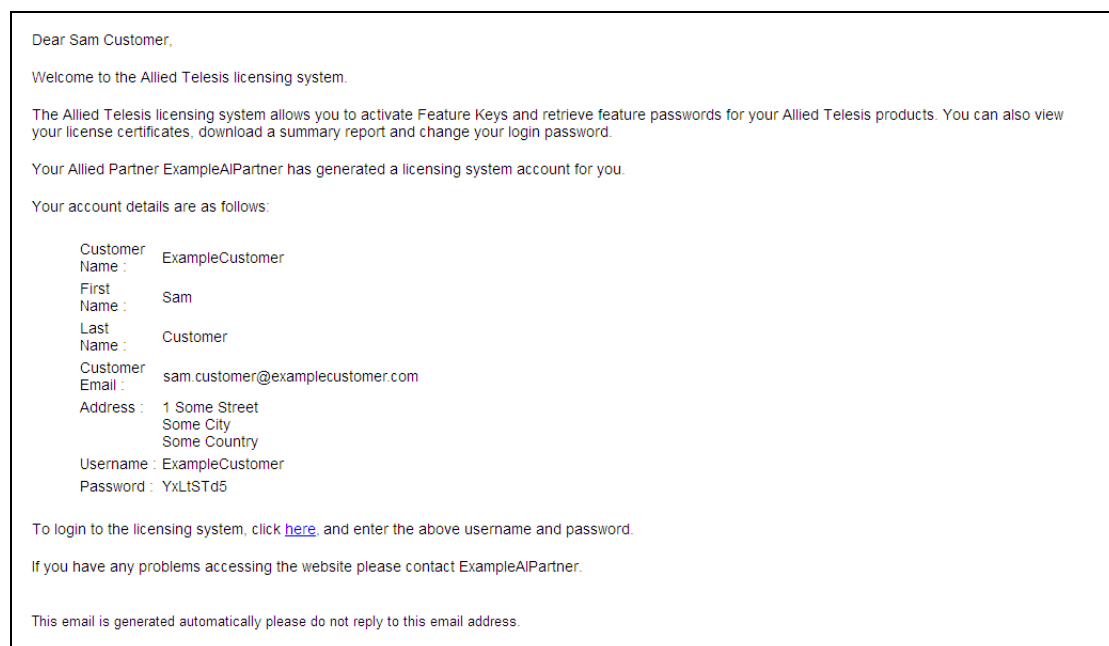
To see which x900 series switch models run AlliedWare Plus, see the AlliedWare Plus Operating System Datasheet.

Requesting a feature key

To request a feature key, contact your Allied Partner (your local Allied Telesis sales office, distributor, or reseller). Please provide the following information:

- the first time you request a feature key: your company, your name, and your contact details, including an email address
- the switch model or models that you want to use the feature on
- the name of the feature license that you want to use. Each feature license contains a group of related features. For available licenses, see the switch's Datasheet at www.alliedtelesis.com/products.
- for each model, the number of switches you want to use each feature on
- whether you want a full (permanent) license or a 30-day trial license for testing purposes.

The first time you request a feature key, your Allied Partner will create an account for you in the Allied Telesis Licensing System. The system will send you an email when this happens, like the following example.



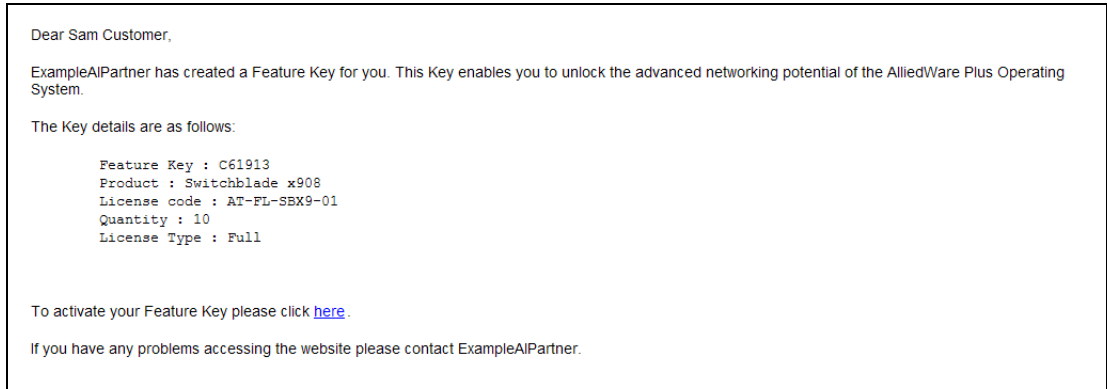
Note the username and password—you need these to log on and activate the feature key.

After creating an account, your Allied Partner will create the feature key. You will receive an email when the key has been created, as the next section describes.

Activating the feature key

I. Access the URL from the email

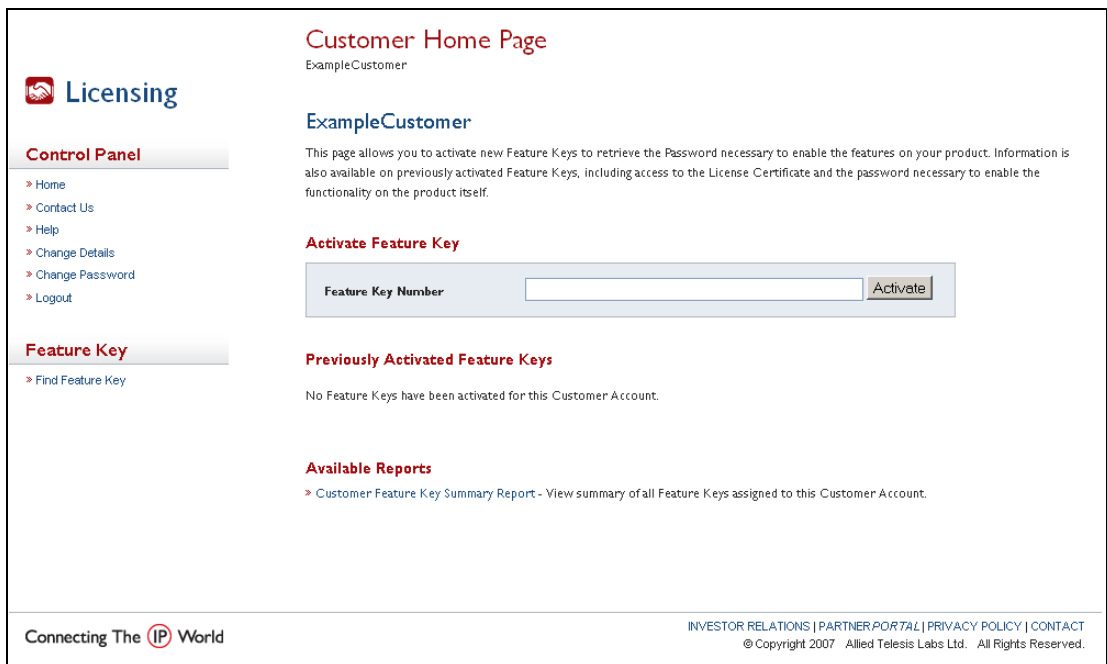
When an Allied Partner creates a feature key for you, you receive an email like the following example.



Click on the link in the email to go to the Allied Telesis Licensing system.

2. Log into the system

Log in using the username and password provided by your Allied Partner. The system opens at your Home Page, as the following figure shows.



3. Activate the feature key

Enter the feature key number from the email into the Feature Key Number field and click on the Activate button.

Tip:

If you lose the email, use the Find Feature Key option to find the feature key number. This option is available from the left-hand menu.

The system displays a summary of the details of the feature key, like the following figure shows.

Activate Feature Key
Customer Home | Activate Feature Key

This page gives you the opportunity to review the Feature Key details before activation. Click the Activate Feature Key button below and you will be given access to the Password needed to enable the feature on the Product itself and the License Certificate.

Feature Key Number	C61913
Customer Name	ExampleCustomer
Feature Key Status	NOT ACTIVATED
Product	Switchblade x908
License	Advanced L3 SBx908
Quantity	10
License Type	Full
Customer Email	rebecca.officer@alliedtelesis.co.nz
Comments	
End User License Agreement	<p>End User License Agreement</p> <p>IMPORTANT: PLEASE READ THIS END USER LICENSE AGREEMENT CAREFULLY. DOWNLOADING, INSTALLING OR USING ALLIED TELESIS OR ALLIED TELESIS SUPPLIED SOFTWARE CONSTITUTES ACCEPTANCE OF THIS AGREEMENT.</p>
I have read and accepted the End User License Agreement	<input type="checkbox"/>

Activate Feature Key Cancel

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Read the EULA, click on the checkbox to accept it, then click on the Activate Feature Key button.

This opens the Feature Key Details page, which includes the command for you to enter on your switches, like the following figure shows.

Licensing

Control Panel

- Home
- Contact Us
- Help
- Change Details
- Change Password
- Logout

Feature Key

- Find Feature Key

Feature Key Details

Customer Home | Feature Key Details

The Feature Key is now activated. See below for the Password required to enable the functionality on the product.

C61913

This page displays the details for the selected Feature Key.

If you have just activated the Feature Key, you can enable the feature by copying the command in the "Enabling Command" field and entering it on your device.

If you are viewing a previously-activated Key, you can retrieve the password by clicking on "View Enabling Command" in the Available Actions section.

You can also download the License Certificate as a permanent record of the Key and password.

Available Actions

- View License Certificate.
- View Enabling Command.
- Return to Customer Page.

Feature Key Number	C61913
Customer Name	ExampleCustomer
Feature Key Status	ACTIVATED
Product	Switchblade x908
License Name	Advanced L3 SBx908
Quantity	10
License Type	Full
Customer Email	rebecca.officer@alliedtelesis.co.nz
Comments	
Enabling Password	license AT-FL-SBX9-01 lgsk6aidqr2XLf0bm5u4Gay39vD42Gp3GEgqk8lpf959C/

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4. Save the license certificate (recommended)

You can save and print a copy of the license certificate for later reference. This provides a permanent record of the license key.

Click on the View License Certificate link in the Available Actions section. This downloads the certificate as a PDF file.

5. Copy the enabling command

From either the Feature Key Details page or the license certificate, copy the command, which takes the form:

```
license <license-name> <password>
```

You need to enter this command on each switch that the feature key applies to, as the next section describes.

Activating the feature on the switch

► Enter the feature key password

To activate the feature on the switch, enter Privileged Exec mode, then enter the command from the Feature Key Details page or the license certificate:

```
awplus#license <license-name> <password>
```

The licence name can be an arbitrary alpha-numeric string. However, we recommend that you use the value from the Feature Key Details page, to make it easier to see which licenses you have installed.

► Display a list of the feature keys on the switch


To display the feature keys, enter the following command from Privileged Exec mode:

```
awplus#show license
```

Displaying a summary of your feature keys

From the Customer Home Page, you can get a report of the licenses you have bought in a specified time period—the current month by default.

To see the report, click on the Customer Feature Key Summary Report link under the Available Reports section of the Customer Home Page. The following figure shows an example of a report. You can export the report as a CSV file by clicking on the Export link underneath the report.



Control Panel

- > Home
- > Contact Us
- > Help
- > Change Details
- > Change Password
- > Logout

Feature Key

- > Find Feature Key

Customer Feature Key Summary Report

ExampleCustomer | Customer Report

Report showing summary of all Feature Keys assigned to this Customer Account.

Available Actions

- > Return to Customer Homepage.

Current Feature Keys

Feature Key Number	Quantity	License	Product	License Type	License Expiry	Purchase Date	Feature Key Creator
C61913	10	Advanced L3 SBx908	Switchblade x908	Full		28/08/2007	ExampleAllPartner

[Export]

Troubleshooting

If the license does not make the feature available, make sure that:

- **no extra characters were pasted in** when the key was copied to the switch's command line. For example, make sure that you did not copy a carriage return from the licensing site or the certificate PDF.

Use the following command to see the key value:

```
awplus#show license
```

- **the license applies to the appropriate switch model**, by checking the board ID. Note that NEBS-compliant and non-NEBS-compliant versions of a switch have different board IDs (for example, you need separate licenses for x900-24XT and x900-24XT-N switches).

Use the following command to see the board ID:

```
awplus#show system
```

- **the switch's time matches the time on the license**. For example, if you create a license on 20 January, but the switch's time is 19 January, then the license will only become valid a day later.

Use either of the following commands to see the switch's time:

```
awplus#show system
```

```
awplus#show clock
```

Use the following command to change the switch's time:

```
awplus#clock set <hh:mm:ss> <day> <month> <year>
```