

ThinManager V-Flex Licenses

with FactoryTalk Activation

With V-FLEX licensing, ThinManager users now have the ability to purchase specific quantities of ThinManager terminal connection licenses - not just in multiples of 5. In addition, these quantities can be broken up by the customer as needed.

V-FLEX licensing is available with FactoryTalk Activation (FTA) or traditional ThinManager product licensing (TMA). This article will cover how to manage and apply V-FLEX licensing with FactoryTalk Activation (FTA). While the process is fundamentally the same, the steps and software tools involved are quite different.

Redundancy is now a companion license that must be ordered along with the base license, each in the desired quantity of terminal connection licenses. For more information on V-FLEX licensing including catalog numbers and requesting quotations, please refer to <u>1083071 - List of ThinManager Catalog Numbers</u>.

Redundancy

If you have purchased Redundancy, you will need to determine which ThinManager install is your Primary and which will be your Secondary. The base V-FLEX license will be assigned to the Primary ThinManager installation, while the Redundancy companion license will be assigned to your Secondary. In order for the Redundancy companion license to initially function, the Secondary ThinManager installation must be synchronized with the Primary ThinManager installation. If after initial synchronization, the Secondary ThinManager installation. If after initial synchronization, the Secondary ThinManager cannot connect to the Primary ThinManager, it will continue to function for a period of sixty (60) days. If the Secondary ThinManager cannot synchronize with the Primary after sixty (60) days, it will be automatically de-activated. ThinManager terminals that are already booted up will continue to function as long as they can still connect to their content sources. However, if they are rebooted and the Primary ThinManager is unreachable and the Secondary ThinManager is de-activated, they will not be able to boot.

Due to the nature of V-FLEX licensing, you can assign any number of primary V-FLEX licenses to your Primary ThinManager Server and any number of Redundancy companion licenses to your Secondary ThinManager Server. In the majority of cases, you will assign the same number of V-FLEX licenses to your primary and your secondary.

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If you apply fewer V-FLEX Redundancy companion licenses to your secondary than you have on your primary, you will only be able to boot the number of Redundancy companion licenses assigned to your secondary. If in this use case you only want certain ThinManager terminals to boot from the secondary, the easiest way to accomplish this is to use ThinManager Ready terminals which allow you to statically assign the IP addresses of your Primary and Secondary ThinManager Servers; therefore, only assign a Secondary ThinManager Server IP address to the terminals you want to utilize your Secondary ThinManager Server.

If you apply more V-FLEX Redundancy companion licenses to your secondary than you have on your primary, you will only be able to boot the number of licenses assigned to your primary, even when booting from your Secondary ThinManager Server.

FactoryTalk Activation (FTA)

V-FLEX licensing with FactoryTalk Activation is ordered through your distributor. Upon completing an order through your distributor, you will receive an email like the one below with your order details, including activation details.

Line Item: 0110

Quantity Licensed: 1 Number of Installs Licensed: 100 License Term: 365 Days Subscription

This product is a bundle consisting of two or more

5 33	products you can activate with a single serial number and product key.						6
Qty	Catalog Number	Description	Version	Serial Number	Product Key	License Type	Life Term
1	9541-TMFT1ENT	ThinManager TMF1 1ySub ESD S/W	11.10.00	10.000	serves 1, he	CONCURRENT	365 Days Subscription
	9541-TMFRT	ThinManager FTA 1 VFLX Red 1ySub ESD S/W	11.10.00	10000	KING LUM	CONCURRENT	365 Days Subscription

<u>View</u>, save and print your online activation certificate(s). <u>Download</u> your software from the software download page.

The screen shot above is for 100 V-FLEX licenses with Redundancy. The catalog number 9541-TMFT1ENT is the base V-FLEX license, and 9541-TMFRT is the Redundancy companion license. If you purchased a Perpetual V-FLEX license, these catalog numbers would be 9541-TMF1-FTAP and 9541-TMFRP, respectively.

For details on how to activate FTA licenses, there are existing KB articles for both online (where your FactoryTalk Activation Manager has Internet connectivity) and offline (where your FactoryTalk Activation Manager does not have Internet connectivity). For online, please refer to AID106058. For offline, please refer to AID587245.

For simplicity, the steps below assume the Primary and Secondary ThinManager installations have access to the Internet (if only temporarily), and each have



ThinManager 11 or newer as well as FactoryTalk Activation Manager 4.03.03 or newer, which is required for ThinManager to use FactoryTalk Activation.

- 1. Open FactoryTalk Activation Manager on your Primary ThinManager installation.
- 2. From FactoryTalk Activation Manager, click the **Manage Activations** tab followed by the **Get New Activations** link.

🔀 FactoryTalk Activation Manager	
S S S S S S S S S S S S S S S S S S S	Manager
Home Manage Activations Advanced	
	Select the location that will provide your a
Find Available Activations	Path to Activations
	C:\Users\Public\Documents\Rock
2 Get New Activations	

3. From the Enter Activation Information step of the Get New Activations tab, enter in the Serial Number and Product Key from your activation email, and click the Validate Activation button. For a Subscription license, this would be the Serial Number and Product Key for the 9541-TMFT1ENT catalog number, and for a Perpetual license, this would be the Serial Number ad Product Key for the 9541-TMF1-FTAP catalog number.

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FactorvTalk Activation	Manager	Help Abo
fome Manage Activations Advanced		
	Enter Activation Z Validate Activation S Download Activation	
Find Available Activations		
	To activate your software, you need the Activation Certificate that came with your software.	
Get New Activations	Enter the serial number and product key for each product you want to activate.	
Borrow Activations	Serial # Product Key	
	Annual Repairing and Annual State	
Return Activations	0 0	
Rehost Activations	• •	
Renew Activations		
	Add Remove	3
Learn more		

4. From the Validate Activation step of the Get New Activations tab, enter the number of V-FLEX licenses to activate in the # to Download field and click the Download Activation button. In the example above, we are activating 7 of the available 100 that we originally purchased, which will leave us with 93 remaining to deploy and activate wherever we need them.



PactoryTalk Activation Manager							- 🗆 🗙
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Home Manage Activations Advanced							
	ิด	Enter Activation	2 Validate A	ctivation Download			
Find Available Activations	Your	activations have be	en validated				
Get New Activations	Sele	ct the number of act	ivations you w	ant to download for each product and bin	iding.		
Borrow Activations		#to Download	Available	Product	Product Version	Binding	Destination
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Return Activations		1					
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Renew Activations							
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5. You should see a confirmation indicating that your activations were successfully downloaded to **FactoryTalk Activation Manager**. Click the **Find Available Activations** link.

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ome Manage Activations Advanced	Ent	er Activation 🕗 Validate Activa	tion 3 Dow	vnload vation		
Find Available Activations	Factory	Talk Activation Download Com	pletel			
Get New Activations	Print you	r activation information and save it	in a secure pla	ce.		
	F	Product	Serial #	Product Version	Binding	#Downloaded
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Return Activations						1
Rehost Activations						
Renew Activations						
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6. From the **Find Available Activations** tab, click the **Refresh Activations** button. You should now see the V-FLEX client license listed.

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te Activation Search Pa	Update Ac	cation:	w activation Inc						
			Select the location that will provide your activations or add a new activation location: Update Activation Search Path						
		Path to Activations							
	C:\Users\Public\Documents\Rockwell Automation\Activations								
						et New Activations			
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RDS1	1.00	RS5K_700.EXE	3/1/2020	and a state of	RSLogix 5000 Pro (English)	tenew Activations			
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RDS1	11.10								
L	Feature Version 1.00	Activation RS5K_700.EXE	Expires 3/1/2020	▲ Serial #	able activations: Product RSLogix 5000 Pro (English)	lorrow Activations leturn Activations lehost Activations			

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7. With our FactoryTalk Activation downloaded and activated within **FactoryTalk Activation Manager**, we now need to assign it in ThinManager. Still on the Primary ThinManager installation, open the **ThinManager Admin Console**.



8. From ThinManager, select the **Install** ribbon, followed by clicking the **License Mode** icon.



9. From the License Mode window, select the FactoryTalk Activation option button and click the OK button.



10. You will receive a notification that ThinManager has no valid terminal connection licenses. Click the **OK** button.





11. From the **Install** ribbon, click the **Licenses** icon.



12. From the FactoryTalk Activations window, click the **Add Activation** button.

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13. From the Add Activations to ThinManager window, select the Serial Number row that you activated in the previous steps and then enter the number of activations to add to your Primary ThinManager installation (7 in the example), followed by clicking the OK button.

Α	dd Activations to Thin	Manager				×
	Installed Activations					
	Choose the Serial Numbe	er to add activations from				
	🔽 Only show ThinMa	nager Activations				
	Serial Number	Feature	Version	Count	Available Count	Expiration
		TM.FLX.XLR	11.10	7	7	12-oct-2020
	1					
	<					>
	Enter the number of acti	vations to add to ThinMar	nager 2	7	3 ок	Cancel

14. The **FactoryTalk Activations** window should now show your **Serial Number** with the correct **Count** assigned to it. Click the **OK** button.



li Serial Mumper	Feature	Count
Denarmanber	TM.FLX.XLR	7
		·

15. To verify that your V-FLEX licenses are now active and assigned to ThinManager, click the **ThinManager Server** icon from tab toolbar, followed by selecting your **ThinManager Server** from the tree and then clicking the **Licenses** tab.



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		WinTMC Connection Licen:	se 0/7	
		Relevance License	0/7	
		TermSecure License	0/7	
		Terminal Connection Licen	se 0/7	
		XLr License	0/7	
		Serial Number	Feature	Count
		100000000	TM.FLX.XLR	7
		Terminal	Feature	Count
			THE FLU VID	8490 C

Centralized FactoryTalk Activation Manager:

In the example provided, we activated and downloaded our V-FLEX licenses directly to our Primary ThinManager installation (7 of the 100 count we purchased). It should be noted that V-FLEX licenses can also be activated and downloaded to a central FactoryTalk Activation Manager, one that is not co-located on the same machine as ThinManager. With a centralized FactoryTalk Activation Manager, you could choose to activate and download all 100, and then assign them to separate ThinManager installations in your network. In this scenario, you would still need to install FactoryTalk Activation Manager on the ThinManager machine(s), but you would point those



FactoryTalk Activation Manager(s) to the central FactoryTalk Activation Manager. To do this:

- 1. Open FactoryTalk Activation Manager from your ThinManager installation.
- 2. Click the Manage Activations tab, followed by clicking the Update Activation Search Path link.



3. From the **Update Activation Search Path** window, click the **Add Server** button.

-	Selected	Path to Activat	lions			
		A 111		-		
_		C:Wsers\Public	c/Documents/	Rockwell Automa	tion/Activations	

4. From the **Update Activation Search Path** window, enter the **computer name** of where the central FactoryTalk Activation Manager is installed, check the checkbox next to it, click the **Up** button followed by the **Save** button.



	Selected	Path to Activations
	Selected	C:\Users\Public\Documents\Rockwell Automation\Activations
•		HMI

NOTE: When the ThinServer service starts, it re-validates the FactoryTalk Activation license that has been assigned to it. This is done since a FactoryTalk Activation license can be Borrowed, Rehosted, etc. However, if the ThinServer service is unable to revalidate the FactoryTalk Activation license assigned to it, that assigned license will be de-activated in ThinManager. In practice, this means if your V-FLEX licenses are activated on a centralized FactoryTalk Activation Manager and ThinManager is unable to connect to that FactoryTalk Activation Manager once those V-FLEX licenses have been assigned to it, ThinManager will continue to run and stay activated. However, if the ThinServer service is re-started at a time when ThinManager cannot connect to the centralized FactoryTalk Activation Manager, then it will be de-activated in ThinManager. ThinManager Terminals that are already booted will not be affected, but if a ThinManager Terminal is rebooted when there are no activated ThinManager installations available, it will be unable to boot. If the ThinServer service is started and cannot reach the centralized FactoryTalk Activation Manager, you will need to restart the ThinServer service once communication to the centralized FactoryTalk Activation Manager is re-established.

16. If you will be deploying Redundant ThinManager Servers, you will now repeat the previous steps on the **Secondary** ThinManager installation in order to activate and download the Redundancy companion license. Open **FactoryTalk Activation Manager** on your Secondary ThinManager installation.

17. From FactoryTalk Activation Manager, click the **Manage Activations** tab followed by the **Get New Activations** link.



📕 FactoryTalk Activation Manager	
Sectors Factors Ik Activation	tion Manager
Home Manage Activations Advance	ed
	Select the location that will provide your a
Find Available Activations	Path to Activations
	C:\Users\Public\Documents\Rocky
2 Get New Activations	

18. From the Enter Activation Information step of the Get New Activations tab, enter in the Serial Number and Product Key from your activation email, and click the Validate Activation button. For a Subscription license, this would be the Serial Number and Product Key for the 9541-TMFRT catalog number, and for a Perpetual license, this would be the Serial Number ad Product Key for the 9541-TMFRP catalog number.

FactoryTalk Activation Manager		- 🗆 X
COSCO SON SON SON SON SON SON SON SON SON SO	on Manager	Help About
Home Manage Activations Advanced		
Find Available Activations	To activate your software, you need the Activation Certificate that came with your software.	
Get New Activations	Enter the serial number and product key for each product you want to activate.	
Borrow Activations	Serial # Product Key	
Return Activations	0 2	
Rehost Activations		
Renew Activations		
Learn more	Add Remove	3
Rockwell Automation	n	Validate Activation >



19. From the **Validate Activation** step of the **Get New Activations** tab, enter the number of V-FLEX licenses to activate in the **# to Download** field and click the **Download Activation** button. In the example above, we are activating 7 of the available 100 that we originally purchased, which will leave us with 93 remaining to deploy and activate wherever we need them.

FactoryTalk Activation Manager						- 0	x ı
COSCONTROLLAR Activation	Mar	ager				Help	Abou
Home Manage Activations Advanced							
Find Available Activations	Your	Enter Activation Information	Volidate Ac en validated! ivations you wa	trvation Download Activation			
Borrow Activations		#to Download	Available	Product	Product Version	Binding	De
Return Activations		7	100	ThinManager FTA1 VFLX Red 1ySub ESD S/W	11.10.00 •	This computer	Thir
Rehost Activations			T -				
Renew Activations			۰.				
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Rockwell Automation				< Enter Activa	tion Information	Download Activat	ion >

20. You should see a confirmation indicating that your activations were successfully downloaded to **FactoryTalk Activation Manager**. Click the **Find Available Activations** link.

Manage Activations						
tome manage Activations Advance	Enter Active Information	ation 🕗 Validate Activation	Download Activation			
Find Available Activations	FactoryTalk A	ctivation Download Comple	tel			
Get New Activations	Print your activa	tion information and save it in	a secure place.			
	Product	THE REPORT OF A	Serial #	Product Version	Binding	#Down
Borrow Activations		ager FIM FALLX Red 135001	LOU GIVY	11.10.00	DISK_SCRIPC_ROII-64C3C045	À .
Return Activations						Г
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Renew Activations						

21. From the **Find Available Activations** tab, click the **Refresh Activations** button. You should now see the V-FLEX redundancy license listed. Also note it's **Activation** -**TM.FLX.XLR.SEC**. It is very similar to the **Activation** for the base V-FLEX license except for the .SEC part, indicating Secondary.

000000									Help	
FactoryTalk [®] Activatio	on Man	lager							_	-
ome Manage Activations Advanced										
	Selec	ct the location that will	provide your	r activations o	radd a new a	ctivation location:		Update Activation	n Search	Pat
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	•	C:\Users\Public\Doc	uments\Roc	kwell Automa	ntion\Activation	IS				
Get New Activations										
Borrow Activations										
Borrow Activations										
Borrow Activations Return Activations										
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Borrow Activations Return Activations Rehost Activations Renew Activations	Avail	able activations: Product ThinManager V-FLEX	A Redun C	Serial #	Expires 10/12/2020	Activation TM.FLX.XLR.SEC	Feature Version 11.10	Location RDS1	Total 7	

22. With our FactoryTalk Activation downloaded and activated within **FactoryTalk Activation Manager**, we now need to assign it in ThinManager. Still on the Secondary ThinManager installation, open the **ThinManager Admin Console**.



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23. From ThinManager, select the **Install** ribbon, followed by clicking the **License Mode** icon.





24. From the License Mode window, select the FactoryTalk Activation option button and click the OK button.

License Mode	×
Select the License Mode in which you want to run ThinManager	
License Mode	
C ThinManager Master License	
FactoryTalk Activation	
2	
	ncel

25. You will receive a notification that ThinManager has no valid terminal connection licenses. Click the **OK** button.

ThinManager	×
Server RDS2 has no FactoryTalk Activation licenses.	
Refer to the User's Manual for details on using FactoryTalk licenses or go to https://thinmanager.com/licensing/ to obtain a demo code.	
1	
ОК	

26. From the **Install** ribbon, click the **Licenses** icon.





27. From the FactoryTalk Activations window, click the **Add Activation** button.

		\times
: ThinManager server		
Feature	Count	Γ
Remove Activations	OK Cancel	
	ThinManager server Feature	ThinManager server Feature Count Remove Activations OK

28. From the Add Activations to ThinManager window, select the Serial Number row that you activated in the previous steps and then enter the number of activations to add to your Secondary ThinManager installation (7 in the example), followed by clicking the OK button. Notice the Feature string ends with ".SEC" indicating this is the secondary or Redundancy companion license.



TM.FLX.XLR.SEC 11.10 7 7	12-oct-202

29. The **FactoryTalk Activations** window should now show your **Serial Number** with the correct **Count** assigned to it. Click the **OK** button.

actoryTalk Activation	าร		×
Activations attached t	to this ThinManager server		
Serial Number	Feature	Count	
	TM.FLX.XLR.SEC	7	
		1	
Add Activations	Remove Activations	ок	Cancel

30. To verify that your V-FLEX licenses are now active and assigned to ThinManager, click the **ThinManager Server** icon from tab toolbar, followed by selecting your **ThinManager Server** from the tree and then clicking the **Licenses** tab.



	age Install	Tools View	Remote Vie	w Help		
Firmware Firmware Package Packages	Boot Loader	Licenses License Mode	TermCap Database	Reports Reports		
hinManager Server		Configuration	Licenses	Properties	Schedule	Vers
		MultiMonitor License WinTMC Connection Relevance License TermSecure License Terminal Connection	e I License I License	0/7 0/7 0/7 0/7 0/7		
		XLr License		0/7		

31. At this point, we have our FactoryTalk Activations activated, installed and assigned to both our Primary and Secondary ThinManager installations. The last step of the process is to enable **Automatic Synchronization** between those installs so that you only need to make configuration changes in one place, and they are automatically shared to the synchronization partner. **Automatic Synchronization** is also required in order to validate the Redundancy companion license. To enable **Automatic Synchronization**, open the **ThinManager Admin Console** from your **Primary** ThinManager installation.



32. From the **Admin Console** on your <u>**Primary**</u> ThinManager installation, click the **Manage** ribbon followed by the **ThinManager Server List** icon.





33. From the **Introduction** page of the **ThinManager Server List Wizard**, click the **Next** button.

34. From the **Auto-synchronization Selection** page of the wizard, check the **Automatic Synchronization** checkbox.

🕿 ThinManager Server List Wizard 🛛 🛛 🗙								
Auto-synchronization Selection Check Automatic Synchronization to automatically synchronize the configuration of two ThinManager servers.								
Check the box if you want to use Automatic Synchronization between two ThinManager servers. Leave the box unchecked if you want to use manual synchronization.								
If you have mirrored licenses, then you must use Automatic Synchronization.								
Automatic Synchronization								
Cancel Help								



35. 1From the **Auto-synchronization Configuration** page of the wizard, click the **Edit** button for the **Primary ThinManager Server** and enter its **Name** and **IP Address**. Repeat the process for the **Secondary ThinManager Server** and click the **Finish** button.

🕿 ThinManager Server List Wizard									
Auto-synchronization Configuration Define the primary and secondary ThinManager servers. These servers will be synchronized.									
- Primary ThinManag	er Server	Edit							
Name	RDS1								
IP Address	10.6.10.51								
- Secondary ThinMa	nager Server	Edit							
Name	RDS2								
IP Address	10.6.10.52								
Additional ThinManager Servers									
	3								
< Back N	ext > Finish Car	ncel Help							

36. To verify that Automatic Synchronization is configured properly, click the **ThinManager Server** icon from tab toolbar, followed by selecting your **ThinManager Server** from the tree and then clicking the **Synchronization** tab. You should see a **Synchronization State** indicating **Synchronized**. At this point, ThinManager is successfully activated with FactoryTalk Activated V-FLEX licenses.



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E	dit Manage	Install	Tools View	Remote View	Help			
Packages Restore Biometric Database Restore Backup Biometric Database @ Backup Biometric Database @ Synchronize		PXE ThinManag Server Server Liss	Manager erver List		Manage Synchronize Set Accounts Passwords			
Packages	(Configuration	n Manage				Acti 3 ectory	
ThinManag	er Server		Configurat	tion Licenses	Properties S	chedule Ve	rsions	Synchronization
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2 RDS1		Synchronization Mode		Ma	aster			
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With FactoryTalk Activation, you can re-host any number of V-FLEX licenses at any time.

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