

STORMSHIELD



MANAGING SECURE BOOT IN SNS FIREWALLS' UEFI

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Change log

Date	Description
May 21, 2025	 Paragraph "Explanations on the use of the Secure Boot feature" added to the section "Getting started" Tip added to check whether the Secure Boot feature is enabled, and a requirement regarding the installation of a driver was added to the "Requirements" section
December 03, 2024	- SN-XS-Series-170, SN-L-Series-2200, SN-L-Series-3200, SN-XL-Series-5200, SN-XL- Series-6200 and SNi10 firewall models added
May 25, 2023	- SN-S-Series-220, SN-S-Series-320, SN-M-Series-520, SN-M-Series-720 and SN-M- Series-920 firewall models added - Addition of sections Disabling Secure Boot in the SNS firewall's UEFI
June 13, 2022	- New document





Getting started

This technical note explains how to enable and disable the Secure Boot feature in the UEFI on SNS firewalls.

Secure Boot increases the security of the system, in particular by verifying the signature of the system loaded when the SNS starts up.

Explanations on the use of the Secure Boot feature

- When Secure Boot is enabled, you can no longer perform the following operations on the SNS firewall:
 - ° Reset the administrator password in *single user* mode,
 - ° Start the SNS firewall on a backup partition in a version of SNS lower than 4.2.1,
 - Start the SNS firewall on a USB key when restoring the program via USB key (USB Recovery),
 - ° Install a version of SNS lower than 4.2.1.
- For security reasons, you are advised to protect the SNS firewall's UEFI control panel with a
 password. For more information, refer to the technical note Protecting access to the
 configuration panel of the UEFI on SNS firewalls,
- When the SNS firewall has an **initialized** TPM, Secure Boot has to remain enabled. On 4.3 LTSB versions, this is not mandatory, but recommended. For more information, refer to the technical note Configuring the TPM and protecting private keys in SNS firewall certificates.





Requirements

This section sets out the requirements for enabling and disabling Secure Boot in the UEFI on SNS firewalls.

An SNS firewall that is compatible with the Secure Boot feature

This table lists the SNS firewalls that are compatible with the Secure Boot feature, and specifies whether it is enabled by default in factory configuration (means that the feature is enabled by default, and \bigotimes means that it is not).

SNS firewall model that is compatible with the Secure Boot feature	Activation of the Secure Boot feature by default in factory configuration
SN-XS-Series-170	
SN-S-Series-220 and SN-S-Series-320	\bigcirc
SN-M-Series-520	O
SN-M-Series-720 and SN-M-Series-920	from the BIOS R1.03 version in factory configuration
SN1100 and SN3100	8
SN-L-Series-2200 and SN-L-Series-3200	
SN-XL-Series-5200 and SN-XL-Series-6200	
SNi10	
SNi20	8
SNxr1200	8

💡 TIP

To check whether Secure Boot is enabled on the SNS firewall, run the following command in a CLI console:

SYSTEM PROPERTY

If SecureBoot=1 appears in the result, this means that the feature is enabled.

Required equipment

- A computer with a terminal emulator installed, e.g., Putty, and the PL23XX USB-to-Serial driver installed if the SNS firewall is connected over a USB-C port.
- For SN-XS-Series-170, SN-S-Series-220, SN-S-Series-320, SN-M-Series-520, SN-M-Series-720, SN-M-Series-920 and SNi10 firewalls: a USB-A to USB-C cable provided with the SNS firewall.
- For SN1100, SN3100 and SNi20 firewalls: an RJ45 to RS232 serial cable provided with the SNS firewall, and if necessary, an RS232 to USB adapter on the computer side.





• For SN-L-Series-2200, SN-L-Series-3200, SN-XL-Series-5200 and SN-XL-Series-6200 firewalls: a USB-A to USB-C cable provided with the SNS firewall, or an RJ45 to RS232 serial cable provided with the SNS firewall, and if necessary, an RS232 to USB adapter on the computer side.

Proceed to the section of the technical note according to the relevant SNS firewall model.



SN-XS-Series-170

Enabling Secure Boot in the SNS firewall's UEFI

- 1. Connect the computer to the SNS firewall using the USB-A to USB-C cable.
- 2. Open the terminal emulator and enter the serial port and baud rate (115200).
- 3. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall startup sequence.
- 4. Go to the **Security** tab by using the arrow keys.

Main	Advanced	Chipset	Security	Boot	Save &	Exit
/ Passwo 	ord Descrip	tion				-+\ Secure Boot configuration
Admini	istrator Pa	ssword				
> Secure	e Boot					<pre>><: Select Screen ^v: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit</pre>

- 5. Select Secure Boot and press [Enter].
- 6. Change the status of the Secure Boot parameter to Enabled.
- 7. Change the status of the Secure Boot Mode parameter to Standard.

	Security	
/		+/
System Mode	User	Secure Boot feature is
1		Active if Secure Boot
Secure Boot	[Enabled]	is Enabled,
1	Active	Platform Key(PK) is
1		enrolled and the System
Secure Boot Mode	[Standard]	is in User mode.
> Restore Factory Keys		The mode change
> Reset To Setup Mode		requires platform reset
1		- I I I I I I I I I I I I I I I I I I I
> Key Management		
1		><: Select Screen
1		^v: Select Item
1		Enter: Select
1		+/-: Change Opt.
L. C.		F1: General Help
I		F2: Previous Values
I. Contraction of the second sec		F3: Optimized Defaults
I		F4: Save & Reset
I		ESC: Exit
\		+/

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- 8. Press [Esc] and go to the Save & Exit tab.
- 9. Select Save Changes and Reset and press [Enter].
- 10. In the Save & Reset window, select Yes then press [Enter].

/	Main	Advanced	Chipset	Security	Boot	Save &	Exit
1	Save C	ptions					Reset the system after saving the changes.
1		hanges and					
1	Discar	d Changes	and Reset				
1							
Ι.			/	Save	e & res	et	\ <u></u>
1	Defaul	t Options.	1				
L.	Restor	e Defaults	Sav	e configu	ration	and res	et?
1							
!	Boot C	verride					
1	UEFI O	S (PI: M.Z	(54)	res		NO	Select Screen
1	Launch	I BEI SHEII	110				/ Select
1							1+/-: Change Ont
÷.							IF1: General Help
i.							IF2: Previous Values
i.							F3: Optimized Defaults
i.							F4: Save & Reset
1							ESC: Exit
1-							+

- 1. Connect the computer to the SNS firewall using the USB-A to USB-C cable.
- 2. Open the terminal emulator and enter the serial port and baud rate (115200).
- 3. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall startup sequence.
- 4. Go to the Security tab by using the arrow keys.

Main Advanced Chip	set Security	Boot Save & Exit
/ Password Description 		 Secure Boot configuration
Administrator Passwor 	d	
> Secure Boot		<pre>><: Select Screen ^v: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit</pre>

- 5. Select Secure Boot and press [Enter].
- 6. Change the status of the Secure Boot parameter to Disabled.





7. Change the status of the Secure Boot Mode parameter to Custom.

		Security		
/-			+	'
L.	System Mode	User	Secure Boot mode	^
L.			options:	*
1	Secure Boot	[Disabled]	Standard or Custom.	*
L.		Not Active	In Custom mode, Secure	*
1			Boot Policy variables	*
L.	Secure Boot Mode		<pre> can be configured by a</pre>	*
1>	Restore Factory Keys		<pre>physically present user</pre>	+
1>	Reset To Setup Mode	/ Secure Boot Mode	\ without full	V
L.		Standard	1	
1>	Key Management	Custom	I	
1		<u>\-</u>	/ <: Select Screen	
L.			v: Select Item	
1			Enter: Select	
L.			+/-: Change Opt.	
1			F1: General Help	
L.			F2: Previous Values	
1			F3: Optimized Defaults	
L.			F4: Save & Reset	
1			ESC: Exit	
1-			+	/

- 8. Press [Esc] and go to the Save & Exit tab.
- 9. Select Save Changes and Reset and press [Enter].
- 10. In the Save & Reset window, select Yes then press [Enter].

Main Advanced Chipset Security Boot	Save & Exit
/ Save Options 	<pre>+</pre>
Save Changes and Reset	
Discard Changes and Reset	
/ Save & rese	t\
Default Options	
Restore Defaults Save configuration a	nd reset?
Boot Override	
ULFI OS (PI: M.2 (S4) IES	No Select Screen
I Launch Mri Sherr 110	r. Select
	L+/-: Change Opt.
	F1: General Help
i la companya da companya d	F2: Previous Values
	F3: Optimized Defaults
	F4: Save & Reset
	ESC: Exit
\	+/



SN-S-Series-220 and SN-S-Series-320

Enabling Secure Boot in the SNS firewall's UEFI

- 1. Connect the computer to the SNS firewall using the USB-A to USB-C cable.
- 2. Open the terminal emulator and enter the serial port and baud rate (115200).
- 3. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall startup sequence.
- 4. Go to the Security tab by using the arrow keys.

	Main	Advanced	Chipset	Security	Boot	Save a	& Exit	
/- 	Passwo	rd Descrip	tion				Secure Boot configuration	-\
	Admini	strator Pa	ssword					
	> Secure	Boot					<pre>><: Select Screen ^v: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit</pre>	

- 5. Select Secure Boot and press [Enter].
- 6. Change the status of the Secure Boot parameter to Enabled.
- 7. Change the status of the Secure Boot Mode parameter to Standard.



8. Press [Esc] and go to the Save & Exit tab.







- 9. Select Save Changes and Reset and press [Enter].
- 10. In the Save & Reset window, select Yes then press [Enter].



- 1. Connect the computer to the SNS firewall using the USB-A to USB-C cable.
- 2. Open the terminal emulator and enter the serial port and baud rate (115200).
- 3. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall startup sequence.
- 4. Go to the **Security** tab by using the arrow keys.

Main Advanced	Chipset	Security	Boot	Save &	Exit
/ Password Descrip 	ption				+\ Secure Boot configuration
Administrator Pa 	assword				
> Secure Boot					<pre>><: Select Screen ><: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit</pre>

- 5. Select Secure Boot and press [Enter].
- 6. Change the status of the Secure Boot parameter to Disabled.





7. Change the status of the Secure Boot Mode parameter to Custom.

		Security		
/-			++	'
1	System Mode	User	Secure Boot mode	^
1			options:	*
1	Secure Boot	[Disabled]	Standard or Custom.	*
L.		Not Active	In Custom mode, Secure	*
1			Boot Policy variables	*
L.	Secure Boot Mode		can be configured by a	*
>	Restore Factory Keys		physically present user	+
1>	Reset To Setup Mode	/ Secure Boot	t Mode\ without full	v
1		Standard		
>	Key Management	Custom	l <mark>-</mark>	
1		\	<: Select Screen	
1			v: Select Item	
1			Enter: Select	
1			+/-: Change Opt.	
1			F1: General Help	
1			F2: Previous Values	
1			F3: Optimized Defaults	
1			F4: Save & Reset	
1			ESC: Exit	
\ _			+	

- 8. Press [Esc] and go to the Save & Exit tab.
- 9. Select Save Changes and Reset and press [Enter].
- 10. In the Save & Reset window, select Yes then press [Enter].

Main Advanced C	hipset Security	Boot Save & Exit	
Save Options		Reset the system aft saving the changes.	er
Discard Changes an	d Reset		
Default Options Restore Defaults Boot Override UEFI OS (P1: M.2 (Launch EFI Shell f	/ Save Save configura S4 Yes ro	<pre>& reset</pre>	lts



SN-M-Series-520

Enabling Secure Boot in the SNS firewall's UEFI

- 1. Connect the computer to the SNS firewall using the USB-A to USB-C cable.
- 2. Open the terminal emulator and enter the serial port and baud rate (115200).
- 3. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall startup sequence.
- 4. Go to the Security tab by using the arrow keys.

	Main	Advanced	Chipset	Security	Boot	Save	& Ex	xit (1997)
/- 	Passwo	rd Descrip	tion				+ 	Secure Boot configuration
	Admini	strator Pa	ssword					
	Secure	Boot						<pre>><: Select Screen ^v: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit</pre>

- 5. Select Secure Boot and press [Enter].
- 6. Change the status of the Secure Boot parameter to Enabled.
- 7. Change the status of the Secure Boot Mode parameter to Standard.



8. Press [Esc] and go to the Save & Exit tab.







- 9. Select Save Changes and Reset and press [Enter].
- 10. In the Save & Reset window, select Yes then press [Enter].



- 1. Connect the computer to the SNS firewall using the USB-A to USB-C cable.
- 2. Open the terminal emulator and enter the serial port and baud rate (115200).
- 3. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall startup sequence.
- 4. Go to the **Security** tab by using the arrow keys.

Main Advanced	Chipset	Security	Boot	Save &	Exit
/ Password Descrip 	ption				+\ Secure Boot configuration
Administrator Pa 	assword				
> Secure Boot					<pre>><: Select Screen ><: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit</pre>

- 5. Select Secure Boot and press [Enter].
- 6. Change the status of the Secure Boot parameter to Disabled.





7. Change the status of the Secure Boot Mode parameter to Custom.

		Security		
/-			++	'
1	System Mode	User	Secure Boot mode	^
1			options:	*
1	Secure Boot	[Disabled]	Standard or Custom.	*
L.		Not Active	In Custom mode, Secure	*
1			Boot Policy variables	*
L.	Secure Boot Mode		can be configured by a	*
>	Restore Factory Keys		physically present user	+
1>	Reset To Setup Mode	/ Secure Boot	t Mode\ without full	v
1		Standard		
>	Key Management	Custom	l	
1		\	<: Select Screen	
1			v: Select Item	
1			Enter: Select	
1			+/-: Change Opt.	
1			F1: General Help	
1			F2: Previous Values	
1			F3: Optimized Defaults	
1			F4: Save & Reset	
1			ESC: Exit	
\ _			+	

- 8. Press [Esc] and go to the Save & Exit tab.
- 9. Select Save Changes and Reset and press [Enter].
- 10. In the Save & Reset window, select Yes then press [Enter].

Main Advanced Chi	oset Security Boot	Save & Exit	
Save Options		Re sa	set the system after ving the changes.
Save Changes and Rese		I I	
Discard Changes and H	Reset	1	
 Default Options Restore Defaults Boot Override	/ Save & res Save configuration 	set\ and reset? 	
UEFI OS (P1: M.2 (S4	Yes	No	Select Screen
Launch EFI Shell fro	\	/	Select Item
		11/	n: Select
		177	-: Change Opt.
		IF2	: Previous Values
i. A second s		F3	: Optimized Defaults
Exception and the second secon		F4	: Save & Reset
I		ES	C: Exit
\		+	/



SN-M-Series-720 and SN-M-Series-920

Enabling Secure Boot in the SNS firewall's UEFI

- 1. Connect the computer to the SNS firewall using the USB-A to USB-C cable.
- 2. Open the terminal emulator and enter the serial port and baud rate (115200).
- 3. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall startup sequence.
- 4. Go to the **Security** tab by using the arrow keys.

	Main	Advanced	Chipset	Security	Boot	Save	& Exit
	Passwo	ord Descrip	tion				+ Set Administrator Password
İ	Admini	strator Pa	ssword				
İ	> Secure	e Boot					
İ							
ł							><: Select Screen
ľ							Enter: Select
ľ							+/-: Change Opt.
							F1: General Help
							F2: Previous Values
							F3: Optimized Defaults
							F4: Save & Exit
Ĺ							ESC: Exit

- 5. Select Secure Boot and press [Enter].
- 6. Change the status of the **Secure Boot** parameter to **Enabled**.

		Security	
/			+\
1	System Mode	User	Secure Boot feature is
i i	-		Active if Secure Boot
i	Secure Boot	[Enabled]	is Enabled,
i i		Active	Platform Key(PK) is
I			enrolled and the System
I	Secure Boot Mode	[Custom]	is in User mode.
>	Restore Factory Keys		The mode change
>	Reset To Setup Mode		requires platform reset
L			I I
>	Key Management		
L			<pre>><: Select Screen</pre>
L			^v: Select Item
L			Enter: Select
L			+/-: Change Opt.
L			F1: General Help
L			F2: Previous Values
L			F3: Optimized Defaults
I			F4: Save & Exit
I			ESC: Exit
$\setminus -$			+/

7. Press [Esc] and go to the Save & Exit tab.





- 8. Select Save Changes and Reset and press [Enter].
- 9. In the Save & Reset window, select Yes then press [Enter].

/	Main Advanced Chi	pset Security	Boot Save & Exit	;
1	Save Options Save Changes and Exi	t	Re	eset the system after
i	Discard Changes and	Exit		
l	Save Changes and Res	set	i i	
ł	Discard Changes and	/ Save	& reset\	
i.	Default Options	Save configura	ation and reset?	
ł	Restore Delaults	। 		
i -	Boot Override	Yes	No	Select Screen
ł.	UEFI OS (P4: M.2 (S4 Launch EFI Shell fro	\ m	/	select Item
i –			+/	-: Change Opt.
ł			F1	: General Help 2: Previous Values
i i			F	: Optimized Defaults
ł			F4 E5	: Save & Exit SC: Exit
1			+	/

- 1. Connect the computer to the SNS firewall using the USB-A to USB-C cable.
- 2. Open the terminal emulator and enter the serial port and baud rate (115200).
- 3. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall's startup sequence.
- 4. Go to the **Security** tab by using the arrow keys.

,	Main	Advanced	Chipset	Security	Boot	Save & Exit
/ 	Passwo	ord Descrip	tion			+
 	Admini	strator Pa	ssword			
> 	Secure	Boot				
						 ><: Select Screen ^v: Select Item Enter: Select
i I I						+/-: Change Opt. F1: General Help F2: Previous Values
 \						F3: Optimized Defaults F4: Save & Exit ESC: Exit

- 5. Select Secure Boot and press [Enter].
- 6. Change the status of the Secure Boot parameter to Disabled.





7. Change the status of the Secure Boot Mode parameter to Custom.

/	Security	±
/ System Mode	User	Secure Boot feature is Active if Secure Boot
Secure Boot 	[Disabled] Not Active	is Enabled, Platform Key(PK) is enrolled and the System
Secure Boot Mode > Restore Factory Keys > Reset To Setup Mode	[Custom]	is in User mode. The mode change requires platform reset
> Key Management 		<pre> ><: Select Screen ^v: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit </pre>

- 8. Press [Esc] and go to the Save & Exit tab.
- 9. Select Save Changes and Reset and press [Enter].
- 10. In the Save & Reset window, select Yes then press [Enter].

Main Advanced Chipset	Security Boot	Save & E	xit
/			+\
Save Options			Reset the system after
Save Changes and Exit			saving the changes.
Discard Changes and Exit			1
			1 1
Save Changes and Reset			1 1
Discard Changes and /	Save & res	et	\ I
			I I
Default Options Save	configuration	and reset	2
Restore Defaults			I I
Boot Override	ĭes	No	Select Screen
UEFI OS (P4: M.2 (S4\			/ Select Item
Launch EFI Shell from			r: Select
1			+/-: Change Opt.
			F1: General Help
1			F2: Previous Values
1			F3: Optimized Defaults
1			F4: Save & Exit
1			ESC: Exit
\			+/



SN1100 and SN3100

- 1. Connect the computer to the SNS firewall by using the RJ45 to RS232 serial cable, then open the terminal emulator and enter the serial port and baud rate (115200). You can also plug a monitor with an HDMI cable and a USB keyboard into the SNS firewall
- 2. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall startup sequence.
- 3. Go to the Security tab by using the arrow keys.
- 4. Select Secure Boot and press [Enter].
- 5. Change the status of the Secure Boot parameter to Enabled.

	Security Security	
System Mode	User	Secure Boot activated
Vendor Keys	Not Modified	when: Secure Boot is enabled
Secure Boot	[Disabled]	Platform Key(PK) is enrolled,
Secure Boot varia	ble Size Keys Key Source	System mode is
Platform Key(PK)	1549 1 Factory	User/Deployed,
▶ Key Exchange Keys	155 Secure Boot	and CSM is disabled
Authorized Signat	ures 154 Disabled	
▶ Forbidden Signat	ures 156 Enabled	
		→+: Select Screen
		↑↓: Select Item
		Enter: Select
		+/-: Change Opt.
		F1: General Help
		F2: Previous Values
		F3: Optimized Defaults
		F4: Save & Reset
		ESC: Exit

- 6. Press [Esc] and go to the Save & Exit tab.
- 7. Select Save Changes and Reset and press [Enter].
- 8. In the Save & Reset window, select Yes then press [Enter].







- 1. Connect the computer to the SNS firewall by using the RJ45 to RS232 serial cable, then open the terminal emulator and enter the serial port and baud rate (115200). You can also plug a monitor with an HDMI cable and a USB keyboard into the SNS firewall
- 2. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall startup sequence.
- 3. Go to the Security tab by using the arrow keys.
- 4. Select Secure Boot and press [Enter].
- 5. Change the status of the Secure Boot parameter to Disabled.



- 6. Press [Esc] and go to the Save & Exit tab.
- 7. Select Save Changes and Reset and press [Enter].
- 8. In the Save & Reset window, select Yes then press [Enter].







SN-L-Series-2200 and SN-L-Series-3200

- 1. Connect the computer to the SNS firewall using the USB-A to USB-C cable. You can also connect the computer to the SNS firewall by using the RJ45 to RS232 serial cable.
- 2. Open the terminal emulator and enter the serial port and baud rate (115200).
- 3. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall startup sequence.
- 4. Go to the Security tab by using the arrow keys.

Main	Advanced	Chipset	Security	Boot	Save & 1	Exit
 Passw	ord Descrip	tion				Secure Boot configuration
 Admin	istrator Pa	ssword				
I I HDD S	ecurity Con	figuratio	n:			i i II
> P4:IN > P5:IN	TEL SSDSC2K TEL SSDSC2K	B240GZ B240GZ				<pre> >: Select Screen ^v: Select Item Enter: Select</pre>
> Secur 	e Boot					+/-: Change Opt. Fl: General Help
						F2: Previous Values F3: Optimized Defaults F4: Save & Exit
 \						ESC: Exit

- 5. Select Secure Boot and press [Enter].
- 6. Change the status of the Secure Boot parameter to Enabled.

/	Security	
System Mode	User	Secure Boot feature is Active if Secure Boot
Secure Boot	[Enabled]	is Enabled,
	Not Active	Platform Key(PK) is enrolled and the System
Secure Boot Mode	[Standard]	is in User mode.
> Restore Factory Keys		The mode change
> Reset To Setup Mode		requires platform reset
1		
<pre> > Key Management</pre>		
1		<pre>><: Select Screen </pre>
1		^v: Select Item
1		Enter: Select
1		+/-: Change Opt.
1		Fl: General Help
1		F2: Previous Values
1		F3: Optimized Defaults
1		F4: Save & Exit
1		ESC: Exit
\		+/





- 7. Press [Esc] and go to the Save & Exit tab.
- 8. Select Save Changes and Reset and press [Enter].
- 9. In the Save & Reset window, select Yes then press [Enter].

Main Advanced C	hipset Security	Boot Save & E	Exit
Save Options Save Changes and E	xit		Reset the system after
Discard Changes an	d Exit		
Save Changes and R	eset		1
Discard Changes an	d / Sav	e & reset	\
1	I		1
Default Options	Save configu	ration and reset	t?
Restore Defaults	l I		1
1			
Boot Override	Yes	No	Select Screen
UEFI OS (PO: SRM28	03\		/ Select Item
Launch EFI Shell f	rom		<mark>r</mark> : Select
1			+/-: Change Opt.
1			Fl: General Help
1			F2: Previous Values
1			F3: Optimized Defaults
1			F4: Save & Exit
1			ESC: Exit
\			-+/

- 1. Connect the computer to the SNS firewall using the USB-A to USB-C cable. You can also connect the computer to the SNS firewall by using the RJ45 to RS232 serial cable.
- 2. Open the terminal emulator and enter the serial port and baud rate (115200).
- 3. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall startup sequence.
- 4. Go to the **Security** tab by using the arrow keys.

Main Advanced Chipset Security	Boot Save & Exit
1	Secure Boot
Password Description	configuration
1	
Administrator Password	
1	
1	
HDD Security Configuration:	
> P4:INTEL SSDSC2KB240GZ	><: Select Screen
> P5:INTEL SSDSC2KB240GZ	^v: Select Item
	Enter: Select
> Secure Boot	+/-: Change Opt.
	Fl: General Help
1	F2: Previous Values
	F3: Optimized Defaults
	F4: Save & Exit
	ESC: Exit
\	/

5. Select Secure Boot and press [Enter].





- 6. Change the status of the **Secure Boot** parameter to **Disabled**.
- 7. Change the status of the Secure Boot Mode parameter to Custom.

,		Security	
	System Mode	User	Secure Boot feature is Active if Secure Boot
	Secure Boot	[Disabled] Not Active	is Enabled, Platform Key(PK) is enrolled and the System
	Secure Boot Mode > Restore Factory Keys > Reset To Setup Mode > Key Management	[Custom]	<pre>is in User mode. The mode change requires platform reset </pre>
K			+/

- 8. Press [Esc] and go to the Save & Exit tab.
- 9. Select Save Changes and Reset and press [Enter].
- 10. In the Save & Reset window, select Yes then press [Enter].

/	Main	Advanced	Chipset	Security	Boot	Save	& Exit	t
I	Save O	ptions	Puit				R	eset the system after
	Save C	nanges and	LXIC				180	aving the changes.
	Discar	d Changes	and Exit					
1	Save C	hanges and	Reset				I	1
I	Discar	d Changes	and /	Save	& res	et	'	\ 1
I			I					I I
1	Defaul	t Options	Sav	e configur	ation	and re	eset?	I I
I	Restor	e Defaults	I					
I								
I	Boot O	verride	1	Yes		No		Select Screen
1	UEFI O	S (PO: SRM	2803\				,	/ Select Item
1	Launch	EFI Shell	from					r: Select
							+/	/-: Change Opt.
i i							F	1: General Help
							F	2: Previous Values
							F	3: Optimized Defaults
i							IF	4: Save & Exit
							IE.	SC: Exit
\							+	/



SN-XL-Series-5200 and SN-XL-Series-6200

Enabling Secure Boot in the SNS firewall's UEFI

- 1. Connect the computer to the SNS firewall using the USB-A to USB-C cable. You can also connect the computer to the SNS firewall by using the RJ45 to RS232 serial cable.
- 2. Open the terminal emulator and enter the serial port and baud rate (115200).
- 3. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall startup sequence.
- 4. Go to the Security tab by using the arrow keys.

< Security Boot Save & Exit	
/ Password Description 	Secure Boot configuration
 Administrator Password	
> Secure Boot	
	><: Select Screen
	Enter: Select
1	F1: General Help
1	F2: Previous Values F3: Optimized Defaults
	F4: Save & Exit ESC: Exit
/	

- 5. Select Secure Boot and press [Enter].
- 6. Change the status of the Secure Boot parameter to Enabled.



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- 7. Press [Esc] and go to the Save & Exit tab.
- 8. Select Save Changes and Reset and press [Enter].
- 9. In the Save & Reset window, select Yes then press [Enter].

< Security Boot Save & Ex	kit 👘		
/ Save Options			Reset the system after
Save Changes and Exit			saving the changes.
Discard Changes and Exit			1
1			i i i i i i i i i i i i i i i i i i i
Save Changes and Reset			1
Discard Changes and /	Save & res	et	\
1			
Save Changes Save	configuration	and reset	?
Discard Changes			1
Default Options	Yes	No	Select Screen
Restore Defaults \			/ Select Item
1			r: Select
Boot Override			+/-: Change Opt.
UEFI: Built-in EFI Shell		Fl: General Help	
UEFI OS (P4: SRM28032GPCM2	F2: Previous Values		
Launch EFI Shell from file	F3: Optimized Defaults		
L. C. C. C. C. C. C. C. C. C. C. C. C. C.			F4: Save & Exit
L			ESC: Exit
\			+/

- 1. Connect the computer to the SNS firewall using the USB-A to USB-C cable. You can also connect the computer to the SNS firewall by using the RJ45 to RS232 serial cable.
- 2. Open the terminal emulator and enter the serial port and baud rate (115200).
- 3. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall startup sequence.
- 4. Go to the **Security** tab by using the arrow keys.

Security Boot Save & Exit	
/ Password Description 	Secure Boot configuration
 Administrator Password	i i i
> Secure Boot	
	><: Select Screen ^v: Select Item
1	Enter: Select
	F1: General Help
	F2: Previous Values F3: Optimized Defaults
	F4: Save & Exit
 \	ESC: Exit

5. Select Secure Boot and press [Enter].





- 6. Change the status of the Secure Boot parameter to Disabled.
- 7. Change the status of the Secure Boot Mode parameter to Custom.



- 8. Press [Esc] and go to the Save & Exit tab.
- 9. Select Save Changes and Reset and press [Enter].
- 10. In the Save & Reset window, select Yes then press [Enter].

< Security Boot Save	a Exit		
/ Save Options Save Changes and Exit			Reset the system after saving the changes.
Discard Changes and Period	XIC		
Discard Changes and A	/ Save	& reset	
Save Changes Discard Changes	Save configur	ation and reset	5?
Default Options Restore Defaults	Yes	No	Select Screen
Boot Override UEFI: Built-in EFI St UEFI OS (P4: SRM28032 Launch EFI Shell from 	nell GPCM2BD2) n filesystem de	vice	<pre> +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>





SNi10

Enabling Secure Boot in the SNS firewall's UEFI

- 1. Connect the computer to the SNS firewall using the USB-A to USB-C cable.
- 2. Open the terminal emulator and enter the serial port and baud rate (115200).
- 3. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall startup sequence.
- 4. Go to the **Security** tab by using the arrow keys.

Main	Advanced	Chipset	Security	Boot	Save & 1	Exit
/	ord Descrip	tion				Secure Boot configuration
Admin: 	istrator Pa	ssword				
> Secure	e Boot					<pre>><: Select Screen ><: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit +</pre>

- 5. Select Secure Boot and press [Enter].
- 6. Change the status of the Secure Boot parameter to Enabled.
- 7. Change the status of the Secure Boot Mode parameter to Standard.

	Security	
/		-+\
System Mode	User	Secure Boot feature is
1		Active if Secure Boot
Secure Boot	[Enabled]	is Enabled,
1	Active	Platform Key(PK) is
1		enrolled and the System
Secure Boot Mode	[Standard]	is in User mode.
> Restore Factory Keys		The mode change
> Reset To Setup Mode		requires platform reset
1		1
> Key Management		
1		><: Select Screen
1		^v: Select Item
1		Enter: Select
1		+/-: Change Opt.
1		F1: General Help
I		F2: Previous Values
1		F3: Optimized Defaults
I and the second s		F4: Save & Reset
1		ESC: Exit
\		-+/

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- 8. Press [Esc] and go to the Save & Exit tab.
- 9. Select Save Changes and Reset and press [Enter].
- 10. In the Save & Reset window, select Yes then press [Enter].

Main Adv	anced Chipse	t Security	Boot Sav	e & Exit	
Save Optio	ns			+ Res sav	set the system after ving the changes.
Save Chang				1	
Discard Ch	anges and Res	et		- I	
1				<u> </u>	
I. Contraction of the second s	/	Save	e & reset -	\	
Default Op	tions			1	
Restore De	faults <mark> S</mark>	ave configui	ration and	reset?	
				1	
Boot Overr	ide				
UEFI OS (P	1: M.2 (S4	res	NO	I,	Select Screen
I Launch EFI	Shell Iro <mark>(</mark>			/	Select Item
				1+/-	Change Opt
				1.51.	General Help
				IF2:	Previous Values
				IF3:	Optimized Defaults
				F4:	Save & Reset
				ESC	: Exit
\				+	

- 1. Connect the computer to the SNS firewall using the USB-A to USB-C cable.
- 2. Open the terminal emulator and enter the serial port and baud rate (115200).
- 3. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall startup sequence.
- 4. Go to the Security tab by using the arrow keys.

Main Adv	anced Chipset	Security	Boot	Save &	Exit
/ Password D 	escription				+\ Secure Boot configuration
Administra 	tor Password				
> Secure Boo 	t				<pre> ><: Select Screen ^v: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit</pre>

- 5. Select Secure Boot and press [Enter].
- 6. Change the status of the Secure Boot parameter to Disabled.





7. Change the status of the Secure Boot Mode parameter to Custom.

		Security			
/-				+	`
1	System Mode	User		Secure Boot mode	^
1				options:	*
1	Secure Boot	[Disabled]		Standard or Custom.	*
1		Not Active		In Custom mode, Secure	*
1				Boot Policy variables	*
1	Secure Boot Mode			can be configured by a	*
>	Restore Factory Keys			physically present user	+
>	Reset To Setup Mode	/ Secure Boo	t Mode\	without full	v
1		Standard			
>	Key Management	Custom			
1		\	/	<: Select Screen	
1				v: Select Item	
1				Enter: Select	
1				+/-: Change Opt.	
1				F1: General Help	
1				F2: Previous Values	
1				F3: Optimized Defaults	
1				F4: Save & Reset	
T.				ESC: Exit	
\-				+	/

- 8. Press [Esc] and go to the Save & Exit tab.
- 9. Select Save Changes and Reset and press [Enter].
- 10. In the Save & Reset window, select Yes then press [Enter].

Main Advanced	Chipset Security	Boot Save & H	Exit
/ Save Options 			<pre>-+\ Reset the system after saving the changes.</pre>
Save Changes and			
Discard Changes a	ind Reset		
I Contraction of the second			T I I I
I Long to the second se	/ Save	e & reset	\ <u></u>
Default Options			
Restore Defaults	Save configu	ration and reset	t?
1			
Boot Override			
UEFI OS (P1: M.2	(S4 Yes	NO	Select Screen
Launch EFI Shell	Iro\		/ Select Item
			It/-: Change Opt
			F1: General Help
			IF2: Previous Values
			IF3: Optimized Defaults
			IF4: Save & Reset
			ESC: Exit
·			-+)



sns-en-SecureBoot_activation_technical_note - 05/21/2025





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- 1. Connect the computer to the SNS firewall by using the RJ45 to RS232 serial cable, then open the terminal emulator and enter the serial port and baud rate (115200). You can also plug a monitor with a micro HDMI cable and a USB keyboard into the SNS firewall
- 2. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall startup sequence.
- 3. Go to the Security tab by using the arrow keys.
- 4. Select Secure Boot and press [Enter].
- 5. Change the status of the Secure Boot parameter to Enabled.

	Security Security	
System Mode	User	Secure Boot activated
Vendor Keys	Not Modified	when: Secure Boot is enabled
Secure Boot	[Disabled]	Platform Key(PK) is enrolled,
Secure Boot varia	ble Size Keys Key Source	System mode is
Platform Key(PK)	1549 1 Factory	User/Deployed,
▶ Key Exchange Keys	155 Secure Boot	and CSM is disabled
Authorized Signat	ures 154 Disabled	
▶ Forbidden Signat	ures 156 Enabled	
		→+: Select Screen
		1↓: Select Item
		Enter: Select
		+/-: Change Opt.
		F1: General Help
		F2: Previous Values
		F3: Optimized Defaults
		F4: Save & Reset
		IESC: EXIT

- 6. Press [Esc] and go to the Save & Exit tab.
- 7. Select Save Changes and Reset and press [Enter].
- 8. In the Save & Reset window, select Yes then press [Enter].







- 1. Connect the computer to the SNS firewall by using the RJ45 to RS232 serial cable, then open the terminal emulator and enter the serial port and baud rate (115200). You can also plug a monitor with a micro HDMI cable and a USB keyboard into the SNS firewall
- 2. Start the SNS firewall and immediately press **[Del]** several times to stop the SNS firewall startup sequence.
- 3. Go to the Security tab by using the arrow keys.
- 4. Select Secure Boot and press [Enter].
- 5. Change the status of the Secure Boot parameter to Disabled.



- 6. Press [Esc] and go to the Save & Exit tab.
- 7. Select Save Changes and Reset and press [Enter].
- 8. In the Save & Reset window, select Yes then press [Enter].







Additional information and answers to some of your questions may be found in the **Stormshield knowledge base** (authentication required).







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