7210 Service Access System

Release 23.3.R1

Guide to Documentation

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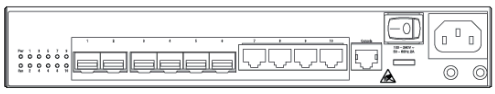
1 About this guide

This guide provides information about the user guides available for the 7210 Service Access System (7210 SAS).

The following figures show the 7210 SAS platforms described in the user guides.

Figure 1: 7210 SAS platforms

7210 SAS-D (Standard AC)



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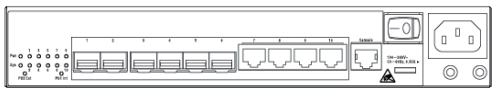

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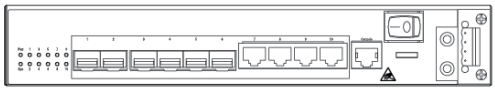

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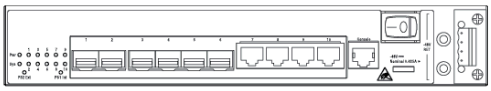
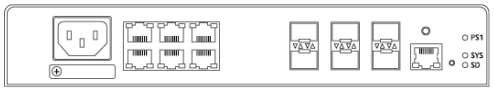
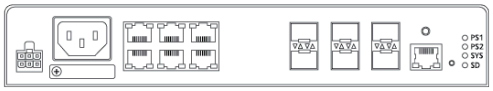


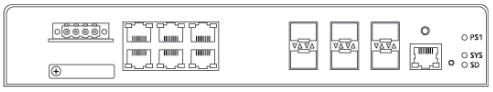
7210 SAS-Dxp 12p (Standard AC)



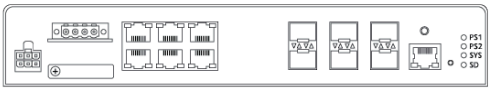
7210 SAS-Dxp 12p (ETR AC)



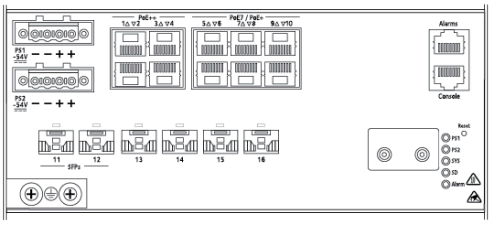
7210 SAS-Dxp 12p (Standard DC)



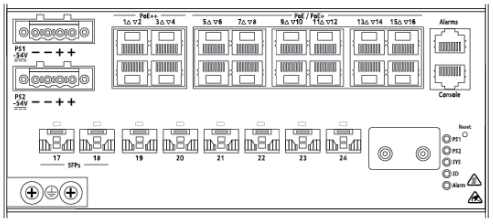
7210 SAS-Dxp 12p (ETR DC)



7210 SAS-Dxp 16p



7210 SAS-Dxp 24p



7210 SAS-K 2SFP 1C 2TX (Standard)

7210 SAS-K 2SFP 1C 2TX (ETR)

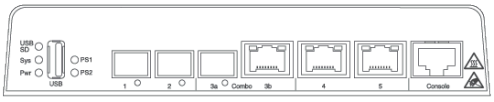


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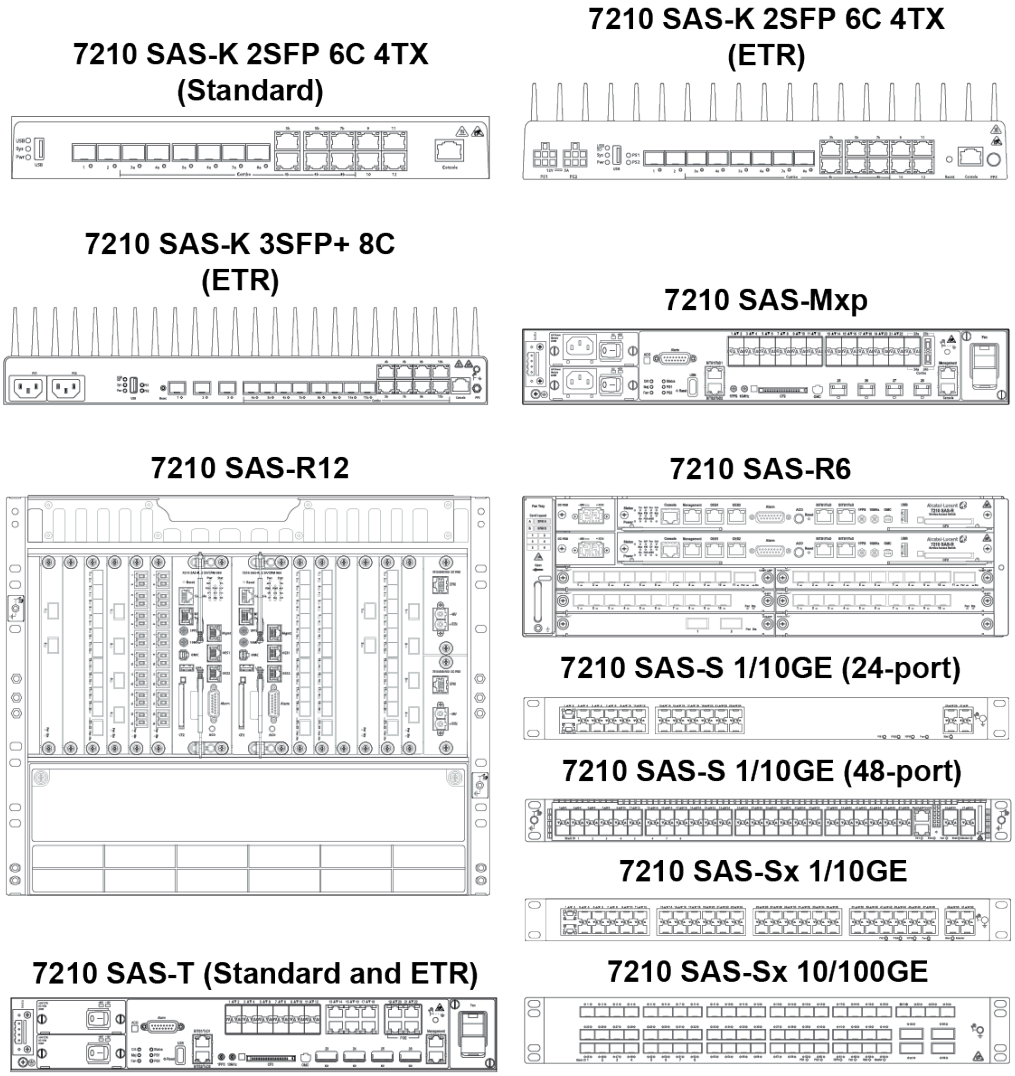
Figure 2: 7210 SAS platforms (continued)



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2 7210 SAS documentation suite

The 7210 SAS documentation suite covers the software and hardware features and functionality of the 7210 SAS platforms. The documentation suite describes topics such as configuration guidelines, services, routing protocols, troubleshooting methods, and chassis and card installation.

2.1 Software guides

The software guides are organized into functional chapters and provide information about the implementation flow, as well as Command Line Interface (CLI) syntax and command usage.

Intended audience legend:

- A – network architects and designers
- B – installers and hardware maintenance technicians
- C – network technicians, administrators, operators, and service providers

The following table describes the software guides in this documentation suite and the intended audience for each guide.

Table 1: Software guides

Document	Description	Intended audience		
		A	B	C
System management				
7210 SAS-D, Dxp, K 2F1C2T, K 2F6C4T, K 3SFP+ 8C Basic System Configuration Guide 7210 SAS-Mxp, R6, R12, S, Sx, T Basic System Configuration Guide	Describes CLI usage, file system management, boot option file (BOF) configuration, configuring basic system management, node timing, and synchronization functions.	✓	✓	✓
7210 SAS-D, Dxp, K 2F1C2T, K 2F6C4T, K 3SFP+ 8C Router Configuration Guide 7210 SAS-Mxp, R6, R12, S, Sx, T Router Configuration Guide	Describes logical IP routing interfaces and filter policies.	✓	—	✓
7210 SAS-D, Dxp, K 2F1C2T, K 2F6C4T, K 3SFP+ 8C Interface Configuration Guide 7210 SAS-Mxp, R6, R12, S, Sx, T Interface Configuration Guide	Describes how to provision cards, Media Dependent Adapters (MDAs), and ports.	✓	—	✓

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Document	Description	Intended audience		
		A	B	C
7210 SAS-D, Dxp, K 2F1C2T, K 2F6C4T, K 3SFP+ 8C System Management Guide 7210 SAS-Mxp, R6, R12, S, Sx, T System Management Guide	Describes system security and access configurations, as well as event logging and accounting logs.	✓	✓	✓
Services				
7210 SAS-D, Dxp, K 2F1C2T, K 2F6C4T, K 3SFP+ 8C Services Guide 7210 SAS-Mxp, S, Sx, T Services Guide 7210 SAS-R6, R12 Services Guide	Describes subscriber services support.	✓	—	✓
7210 SAS-D, Dxp Quality of Service Guide 7210 SAS-K 2F1C2T, K 2F6C4T, K 3SFP + 8C Quality of Service Guide 7210 SAS-Mxp, R6, R12, S, Sx, T Quality of Service Guide	Describes how to configure Quality of Service (QoS) policy management.	✓	—	✓
Routing				
7210 SAS-K 2F6C4T, K 3SFP+ 8C MPLS Guide 7210 SAS-Mxp, R6, R12, S, Sx, T MPLS Guide	Describes how to configure Multiprotocol Label Switching (MPLS), Resource Reservation Protocol (RSVP), and Label Distribution Protocol (LDP).	✓	—	✓
7210 SAS-D, Dxp, K 2F1C2T Routing Protocols Guide 7210 SAS-K 2F6C4T, K 3SFP+ 8C Routing Protocols Guide 7210 SAS-Mxp, R6, R12, S, Sx, T Routing Protocols Guide	Provides an overview of routing protocols and route policies, and describes how to configure them.	✓	—	✓
Monitor and troubleshoot				
7210 SAS-D, Dxp, K 2F1C2T, K 2F6C4T, K 3SFP+ 8C OAM and Diagnostics Guide 7210 SAS-Mxp, R6, R12, S, Sx, T OAM and Diagnostics Guide	Describes how to use the Operations, Administration and Management (OAM) and diagnostics tools.	✓	—	✓

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2.2 Hardware guides

The hardware guides are not included with the 7210 SAS software documentation package. See Accessing documentation for information about accessing hardware guides.

Intended audience legend:

- A – network architects and designers
- B – installers and hardware maintenance technicians
- C – network technicians, administrators, operators, and service providers

The following table describes the hardware guides in this documentation suite and the intended audience for each guide.

Table 2: Hardware guides

Document	Description	Intended audience		
		A	B	C
7210 SAS chassis installation guides				
7210 SAS-D Chassis Installation Guide	Describes how to install the 7210 SAS-D chassis.	✓	✓	—
7210 SAS-Dxp 2SFP+ 4F 6T Chassis Installation Guide	Describes how to install the 7210 SAS-Dxp 12p (2SFP+ 4SFP 6Tx) chassis.	✓	✓	—
7210 SAS-Dxp 16p/24p Chassis Installation Guide	Describes how to install the 7210 SAS-Dxp 16p (2SFP+ 4SFP 10Tx) and 7210 SAS-Dxp 24p (2SFP+ 6SFP 16Tx) chassis.	✓	✓	—
7210 SAS-K 2SFP 1C 2TX Installation Guide	Describes how to install the 7210 SAS-K 2SFP 1C 2TX chassis.	✓	✓	—
7210 SAS-K 2F6C4T Installation Guide	Describes how to install the 7210 SAS-K 2F6C4T chassis.	✓	✓	—
7210 SAS-K 3SFP+ 8C ETR Installation Guide	Describes how to install the 7210 SAS-K 3SFP+ 8C ETR chassis.	✓	✓	—
7210 SAS-Mxp Chassis Installation Guide	Describes how to install the 7210 SAS-Mxp chassis.	✓	✓	—
7210 SAS-R6 Chassis Installation Guide	Describes how to install the 7210 SAS-R6 chassis.	✓	✓	—
7210 SAS-R12 Chassis Installation Guide	Describes how to install the 7210 SAS-R12 chassis.	✓	✓	—
7210 SAS-S 1/10GE Chassis Installation Guide	Describes how to install the 7210 SAS-S 1/10GE chassis.	✓	✓	—
7210 SAS-Sx 1/10GE Chassis Installation Guide	Describes how to install the 7210 SAS-Sx 1/10GE chassis.	✓	✓	—

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Document	Description	Intended audience		
		A	B	C
7210 SAS-Sx 10/100GE Chassis Installation Guide	Describes how to install the 7210 SAS-Sx 10/100GE chassis.	✓	✓	—
7210 SAS-T Chassis Installation	Describes how to install the 7210 SAS-T chassis.	✓	✓	—
Supplementary information				
Best Practices for Improving Equipment Protection and Longevity	Describes best practices for installation and maintenance of Nokia products.	✓	✓	—

2.3 Release notes

The 7210 SAS Software Release Notes are not included with the 7210 SAS software documentation package. See Accessing documentation for information about accessing release notes.

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3 Accessing documentation

Nokia customer documentation can be accessed through the WebHelp or through the Nokia Documentation Center.

The 7210 SAS software user guides are publicly available (no authentication is required). The hardware guides, software release notes, and some technical documents are restricted (authentication is required).

Note: At this time, release notes are only available through the Nokia Documentation Center.

The 7210 SAS software user guides can be accessed using a Google search. For best results, search using the term "7210 SAS" followed by the current release and any applicable keywords. The restricted guides cannot be accessed using a Google search.

Note: Depending on your account permissions and login status, you may not be authorized to display or download restricted guides (indicated by a lock or key symbol). If the guide remains restricted after a valid login, contact a Nokia technical support representative to check your account permissions.

The 7210 SAS documentation is available in the following formats:

- WebHelp HTML
- downloadable HTML library (WebHelp format)
- PDF
- zipped PDF library

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4 Searching for information in PDFs

You can search the contents of one or more downloaded PDF files for a specific term. When searching the contents of multiple PDF files, ensure the files are located in the same folder.

Note: These instructions apply only to Adobe Acrobat or Adobe Reader and will not work for other readers or browsers.

Procedure

Step 1. From the Adobe Acrobat or Adobe Reader main menu, choose **Advanced Search**.

The **Search** panel opens.

- To search for a specific term in the current document, click the **In the current document** button.
- To search for a specific term in multiple documents, click the **All PDF Documents in** button and select the applicable folder from the drop-down menu.

Note: If you downloaded a zip file of the PDF documents, you can open the Search panel by clicking the index.pdx icon in the unzipped folder. The index search of all PDF documents in the folder will be preselected.

Step 2. Enter the term to search for.

Select one or more of the following search criteria, if required:

- Whole words only
- Case-Sensitive
- Include Bookmarks
- Include Comments

Step 3. Click the **Search** button.

The search results are displayed.

Click the **+** symbol to expand the entries for each file.

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5 Technical support

Customer support representatives are available to assist you 24 hours a day, 7 days a week. To contact Technical Support, visit the Nokia Support portal: https://customer.nokia.com/support/s/.

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6 How to give feedback on documentation

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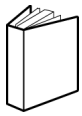
Customer document and product support



Customer documentation

Customer documentation welcome page

Technical support

Product support portal

Documentation feedback

Customer documentation feedback