

# 7800 Installation Advice

January 2025

78-0001-05

# Scope

The following slides provide an overview of currently available material designed to assist in a safe and smooth installation of Arista 7800 Series devices.

It is strongly recommended that all material is reviewed and that all instructions are closely followed to avoid unnecessary damage which will impact installation schedules and system availability.

Documents highlighted in **bold/green** should be considered core procedures for all 7800 models.

The system [Quick Start Guide](#) and [Safety Guide](#) as well as any other system-specific material should be reviewed when installing devices.



# Documentation Overview

# 78-00 Start Here

Document ID	Title	Notes
<b>78-0001</b>	Start Here	Overview of available material, useful links
<b>78-0002</b>	7800 Series Familiarization	Review of major system components for each model of 7800 chassis.

# 78-01 Unpacking and Preparation

Document ID	Title	Notes
<b>78-0101</b>	Recommended Equipment for 7800 Installation	List of commonly required tools and machinery to safely unpack, transport and install 7800 series
<b>78-0102</b>	Unpacking and Rack Mounting 7804/7808	Video walk through of the physical installation of a 7804/7808 (6 min)
<b>78-0103</b>	Unpacking and Rack Mounting 7812	Video walk through of the physical installation of a 7812 (10 min)
<b>78-0104</b>	Unpacking and Rack Mounting 7816	Video walk through of the physical installation of a 7816 (10 min)
<b>78-0105</b>	Unpacking and Rack Mounting 7816L	Video walk through of the physical installation of a 7816L (10 min)

# 78-01 Unpacking and Preparation (Contd.)

Document ID	Title	Notes
<b>78-0106</b>	Reseating 7800 Fabric Modules Video	<b>Highly recommended</b> procedure to be performed after any system is shipped or re-shipped with fabric modules installed. (3 min)
78-0107	7816 De-palletizing and Transporting by Forklift	Walk through of the major steps in removing a 7816 chassis from its shipping crate using a forklift.

# 78-02 Connector Inspection

Document ID	Title	Notes
<b>78-0201</b>	High Speed Connector Inspection Methodology	<b>Critical requirement</b> for the installation or reinstallation of any fabric or line card module in any 7800 systems
<b>78-0202</b>	High Speed Connector Inspection Methodology Video	<b>Critical requirement</b> for the installation or reinstallation of any fabric or line card module in any 7800 systems, video walkthrough (9.5 min)

# 78-03 Fabric Module Installation

Document ID	Title	Notes
<b>78-0301</b>	7800 Fabric Module Installation Process	General approach to inspecting and installing fabric modules in 7800 series systems
78-0302	7812 Fabric Module Installation Process	7812 system specific overview - demonstrating correct handling of large fabric modules
78-0303	7812 Fabric Module Installation Process Video	Video showing the correct method for handling and installation of 7812 fabric modules (1 min)
78-0304	7812 Fabric Module Removal Process Video	Video showing the correct method for handling when removing the 7812 system's fabric modules (1 min)
78-0305	7816L Fabric Module Installation Process Video	Video showing the correct method for handling and installation of the 7816L fabric modules (1 min)



# 78-04 Line Card Installation

Document ID	Title	Notes
<b>78-0401</b>	7800 Line Card Installation Guide	Generic method for inspection, handling and installation of 7800 line cards
<b>78-0402</b>	7800 Line Card Insertion Video	Video overview of the line card insertion process (1 min)

# 78-05 Other Field Replaceable Parts

Document ID	Title	Notes
<b>78-0501</b>	7800 Fan Unit Replacement	Overview of the steps to remove and replace fan modules on 7800 series fabric modules
<b>78-0502</b>	7800 Fan Replacement Video	Video walk-through of fan replacement (0.5 min)
<b>78-0503</b>	7800 Series PSU Overview	Overview of the operation of power supply units and the order of installation for optimum efficiency
<b>78-0504</b>	7800 Series Power Supply Installation	Video overview of the process of installing and removing power supplies (5 min)
<b>78-0507</b>	7800 Series Injector/Ejector Tool Installation	Video overview showing how to install the ejector tool retainers (2 min)

# 78-06 Mechanical Diagrams

Document ID	Title	Notes
Various	Various	Collection of system diagrams illustrating key dimensions and service space requirements.

# Other Useful Resources

- [Hardware Quick-Start Guides](#)
- [Hardware Accessory Kit Lookup Tool](#)
- [Software Downloads](#)
- [7800R3 Datasheets and Literature](#)
- [7800R4 Datasheets and Literature](#)
- [7800 Architecture Overview](#)



# Thank You

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