Introduction

This document aims to prepare engineers installing Arista 7800 Series systems by providing a list of tools and equipment necessary to unpack, transport and install each system. Using the correct tools and number of people for each system will ensure a safe, efficient and damage-free installation.

The list of tools is not exhaustive and recommendations will be updated from time to time. Further information can be found in the Quick Start Guide.

7804 and 7808 Systems

Recommended number of people: 2
Package Dimensions (including pallet):

System	Package W x H x D	Package Weight
7804	24 x 27.66 x 48 in 61 x 70.25 x 122 cm	517 lbs 234.5 kg
7808	24 x 38.2 x 50.5 in 61 x 96.52 x 128.27	844 lbs 382.8 kg

Recommended tools:
- Pallet jack if required needed to move pallet to unpacking location
- Strap cutters for cutting plastic/metal packing straps wrapping pallet/pack
- Battery operated torque screwdriver - 5 to 20 inch-pound range (0.56 - 2.26 Nm)
  - To be used for panel fasteners/captive screws on fabric modules
- Battery operated impact screwdriver
  - For removing screws mounting packaging cushions. The screws are 3"
    wood screws w/ PH2 drive
  - For installing rack mounting bolts
  - **Do not use** for any panel fasteners/captive screws on system modules
- Selection of Phillips drive bits
  - PH1, PH2 and PH3 cross-recessed bits
- 1000 lb (450 kg) load rated server/transport lift, or a scissor lift cart.
  - Chassis to be placed on lift to elevate to rack installation level.
- Hardware specific to EIA rack mounting scheme - tapped or cage nut fastening
- ESD foot straps, or ESD wrist strap with banana jack connector to chassis
- Table / work surface on which the modules will be unpacked, and used when
  inspecting the module connectors for any possible damage
- Grounded ESD matt on which to place modules during unpacking and inspection
- 300 lumen (or greater) flashlight to help with connector inspection before
  installation into chassis

7812 and 7816 Systems

Recommended number of people: 4
Package Dimensions (including pallet):

System	Package W x H x D	Package Weight
7812	40 x 50.6 x 50.8 in 101.6 x 128.52 x 129 cm	605 lbs 274.4 kg
7816	40 x 54.5 x 66.5 in 101.6 x 138.43 x 168.91 cm	1126 lbs 510.8 kg

Recommended tools:
- Pallet jack if required needed to move pallet to unpacking location
- Strap cutters for cutting plastic/metal packing straps wrapping pallet/pack
- Forklift to remove 7812 or 7816 from pallet
- Set of four 2ft (60cm) long, 1000 lbs (450kg) lifting straps, looped at both ends
- Battery operated torque screwdriver - 5 to 20 inch-pound range (0.56 - 2.26 Nm)
  - To be used for panel fasteners/captive screws on fabric modules
- Battery operated impact screwdriver
  - For removing screws mounting packaging cushions. The screws are 3" wood screws w/ PH2 drive
  - For installing rack mounting bolts
  - **Do not use** for any panel fasteners/captive screws on system modules
- Selection of Phillips drive bits
  - PH1, PH2 and PH3 cross-recessed bits
- 1000 lb (450 kg) load rated server/transport lift, or a scissor lift cart.
  - Chassis to be placed on lift to elevate to rack installation level.
- Hardware specific to EIA rack mounting scheme - tapped or cage nut fastening
- ESD foot straps, or ESD wrist strap with banana jack connector to chassis
- Table / work surface on which the modules will be unpacked, and used when inspecting the module connectors for any possible damage
- Grounded ESD matt on which to place modules during unpacking and inspection
- 300 lumen (or greater) flashlight to help with connector inspection before installation into chassis

Specialist Tools and Devices

The following tools and devices are used by the Arista team when working on 7800 series systems. We recommend that tools and machines of a similar specification are used on site.

Lighting (Torches / Flashlights)

- 300 lumen or greater
- Examples include:
  - https://www.streamlight.com/products/detail/wedge

Lifting Equipment - Transport and Rack Mounting

- Heavy-duty device lifter capable of lifting 1000lbs (454 kg)
- Supports side-loading and lifting platform mobility
- Examples include:
  - https://serverlift.com/data-center-lifts/sl-1000x/