

## Overview

The NMX-ACC-N9206 is a 2RU rack mount cage for rack mounting up to six N-Series Encoder, Decoder, and Audio Transceiver Cards. Cards are powered by PoE (Power-over-Ethernet) and/or by connecting the card's 12VDC Input to the Card Cage's 12VDC Output using the supplied Phoenix connector cable.

### Calculating Power Requirements

Use either of the following formulas to calculate how much power is required for the N9206.

Formulas are based on the power requirements of each installed card (e.g., *Power\_Slot1* = the power requirements for whatever card is installed in the first slot). These formulas add a 20% margin to the power requirements of the cards to allow for the chassis cooling fan power consumption as well as any inherent power supply losses.

$$\text{Total Power} = (\text{Power\_Slot1} + \text{Power\_Slot2} + \text{Power\_Slot3} + \text{Power\_Slot4} + \text{Power\_Slot5} + \text{Power\_Slot6}) * 1.2$$

or

$$\text{Total BTU/hr} = (\text{BTU/hr\_Slot1} + \text{BTU/hr\_Slot2} + \text{BTU/hr\_Slot3} + \text{BTU/hr\_Slot4} + \text{BTU/hr\_Slot5} + \text{BTU/hr\_Slot6}) * 1.2$$

## Installation Guidelines

To install N-Series cards into the N9206 Card Cage, follow these steps:

1. Gently slide the card into the cage slot. Make sure the card is properly aligned with the guides. The card's front LED indicators should align with the holes in the cage's faceplate. See FIG. 1.

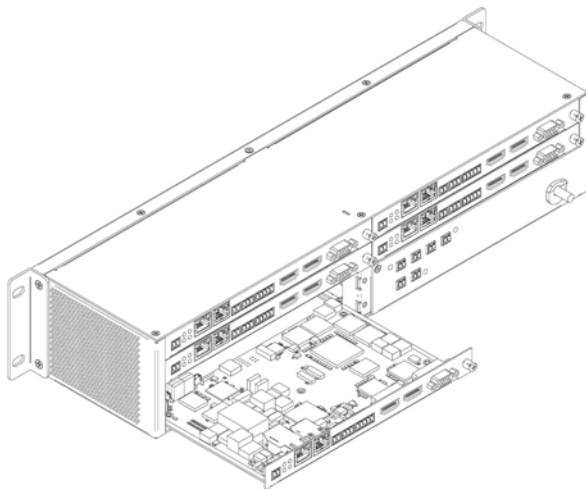


FIG. 1 INSTALLING CARDS

**CAUTION:** Cards are static sensitive. Follow all standard ESD precautions when handling cards. Handle cards by the faceplate and carrier edges only. Avoiding touching the card components.

2. Align the thumb screw on the back plate before seating the card into the cage.
3. Firmly seat the card and tighten the thumb screw by hand to secure card placement.

4. Use one of the six Phoenix connector cables (included in shipment with the Card Cage) to connect the card's 12VDC input Phoenix connector to one of the cage's six 12VDC outputs.
5. Repeat these steps until all cards are properly installed. See FIG. 2.

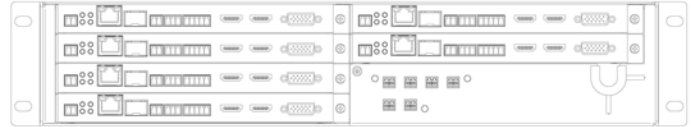


FIG. 2 FULLY POPULATED CARD CAGE

6. For proper airflow, cover any unused card slots with faceplate blanks. Blanks are sold separately (part number NMX-ACC-N9210).
7. Make sure the Card Cage's power cord is plugged in for proper cooling. The **POWER** LED on the front of the cage should always be on.

Product Specifications	
Model Available:	NMX-ACC-N9206
Power Requirements:	Input: 100-240 Volts @ 1 Amp AC power supply Output: 12VDC @ up to 15A (total over all six Phoenix connectors)
Dimensions (HWD):	3.4" x 17.22" x 5.04" (8.63cm x 43.73cm x 12.8cm)
Weight:	7.61 lbs (3.45 kg)
Certifications:	Regulatory compliance: FCC, CE, and NRTL

**CAUTION:** Keep the Card Cage's power cord plugged in at all times so that the internal fans are always running. Failure to do so could void the warranty of the cage and all installed cards. The card cage cooling fans cannot be powered by PoE in the event of a loss of main power to the card cage. Please remedy power losses immediately to avoid potential overheating hazards.

NOTE: Mounting accessories are sold separately and are compatible with most N-Series devices. Contact a sales representative or visit our website at [www.amx.com](http://www.amx.com) for details.

Please contact technical support at [svsisupport@harman.com](mailto:svsisupport@harman.com) or 256.461.7143 (x9900) for assistance with any installation issues.

