

# Vanguard Networks Quick Reference Guide Voice Daughtercards

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## Introduction

This quick reference guide provides general information on Vanguard Networks Voice Daughtercards.

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## Description

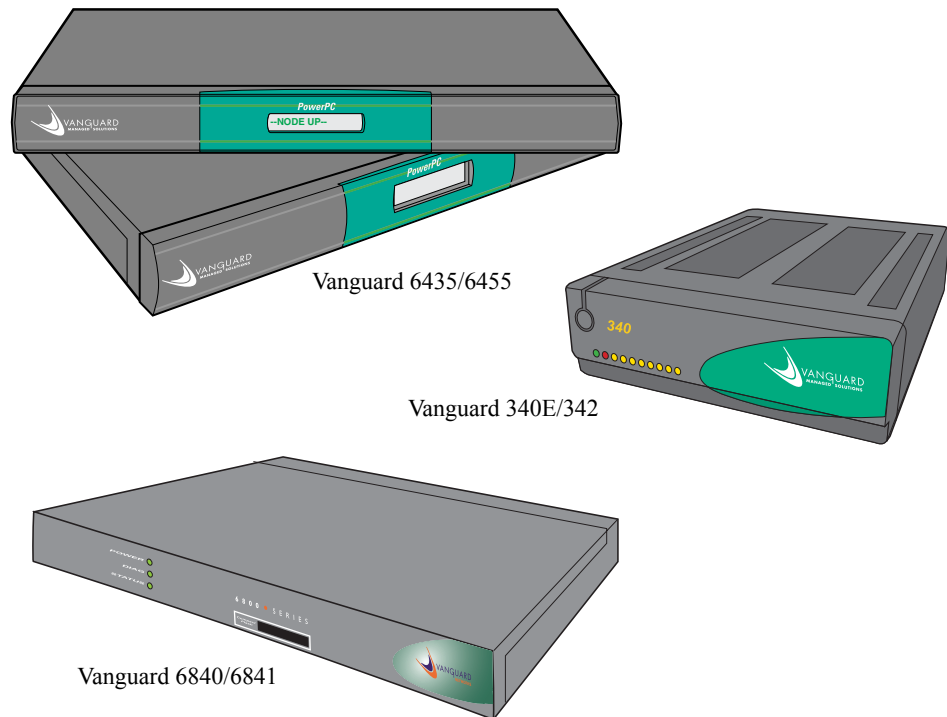
The voice daughtercards described in this guide can be installed in the following Vanguard Networks devices:

- Vanguard 340E/342
- Vanguard 6435/6455
- Vanguard 6840/6841

Figure 0-1 shows the current Vanguard devices.

### ■ Note

The Vanguard Networks models 100, 305, 320, 340, and 6425/6430/6450 have been sunset and are not covered in this manual.

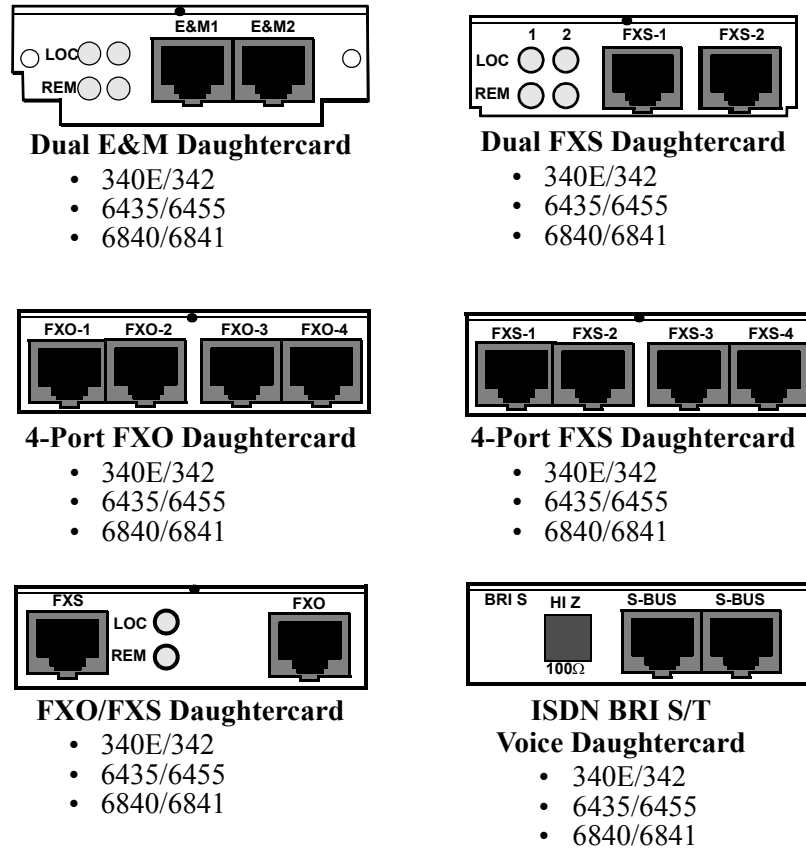


**Figure 1. The Current Vanguard Networks Devices**

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## Vanguard Voice Daughtercards

Figure 0-2 illustrates the current set of Vanguard Networks voice daughtercards and their the applicable Vanguard Networks devices.



**Figure 2. Vanguard Networks Daughtercards and Applicable Devices**

## Standard Packaging

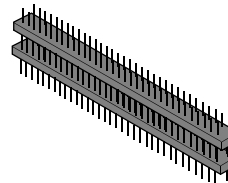
Vanguard Networks voice daughtercards are shipped with the standard components shown in Figure 0-3.

### Note

All Vanguard products are manufactured with daughtercard standoffs installed on the motherboard.



**Screws With Locking Washers**  
Used to secure a daughtercard to the motherboard and the daughtercard backplate to the Vanguard's back panel.




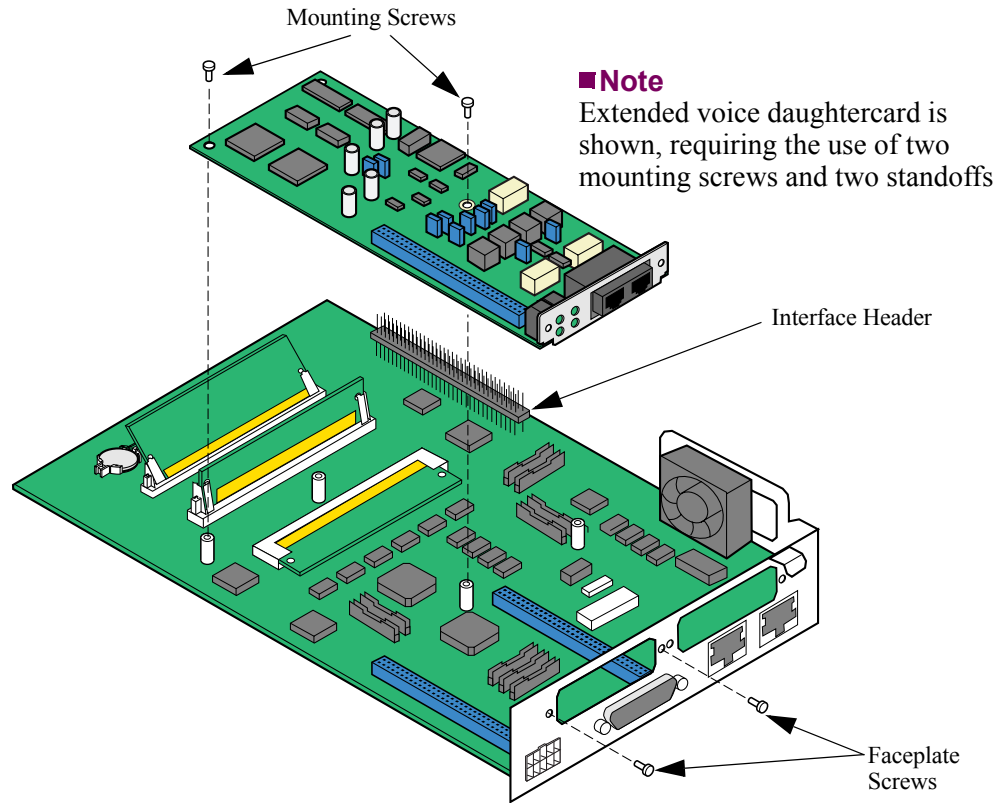
**68-pin Male-to-Male Interface Header**  
Used to connect a daughtercard to a Vanguard motherboard.

**Figure 3. Typical Daughtercard Installation Kit**

## Typical Daughtercard Installation Procedure

Refer to Figure 0-4, and follow this procedure to install a voice daughtercard into a typical Vanguard Networks product (the Vanguard 340E/342 is shown):

<b>Step</b>	<b>Action</b>	
<b>1</b>	Power down the unit and remove the cables and power cord.	
<b>2</b>	Remove the motherboard.  <b>Caution</b> Exercise extreme care, when sliding the motherboard out, to prevent components mounted to the underside of the board from being knocked off.	
<b>3</b>	Place the motherboard on a clean flat surface.	
<b>4</b>	<b><i>If you are...</i></b>	<b><i>Then...</i></b>
	Adding a daughtercard	Connect the 68-pin interface header onto the motherboard. Install this daughtercard in daughtercard slots for Port 1.
	Replacing a daughtercard	<ul style="list-style-type: none"> <li>a) Remove the daughtercard mounting screw that attaches the daughtercard to the board.</li> <li>b) Unscrew the two rear panel coverplate screws. Unplug the existing daughtercard. If no daughtercard is installed, remove the metal blanking plate.</li> <li>c) Align the standoff on the motherboard with the hole on the new daughtercard.</li> </ul>
<b>5</b>	Push the daughtercard down into the connector being careful to align the pins. Do not apply excessive pressure when pushing the daughtercard into the connector or you may damage the card.	
<b>6</b>	Fasten the screw that attaches the daughtercard to the motherboard, then fasten the two rear panel coverplate screws. Daughtercard replacement/addition is complete.	
<b>7</b>	Reinstall the motherboard by reversing Steps 1 and 2.	



**Figure 4. Vanguard Network Device Typical Daughtercard Installation**

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