



VCO/4K Hardware Configuration Guidelines

Nonredundant System

The basic nonredundant VCO/4K system is configured with the following hardware components:

- The system enclosure
- One power supply module
- Control circuit cards
 - One Combined Controller Assembly with CPU (located in slots 3 and 4)
 - One Network Bus Controller 3 (NBC3) with Digital Tone Generator 2 (DTG-2) mezzanine card (located in slot 1)



Note Systems running VCO/4K V5.2(0) or higher may use SPC-TONE in place of DTG-2. See the *Cisco VCO/4K System Software Release Notes* for additional details.

- One Alarm Arbiter Card (AAC)
- One Storage/Control I/O Module (located to the rear of slots 3 and 4)
- One ring generator (optional) (located above the power supply)

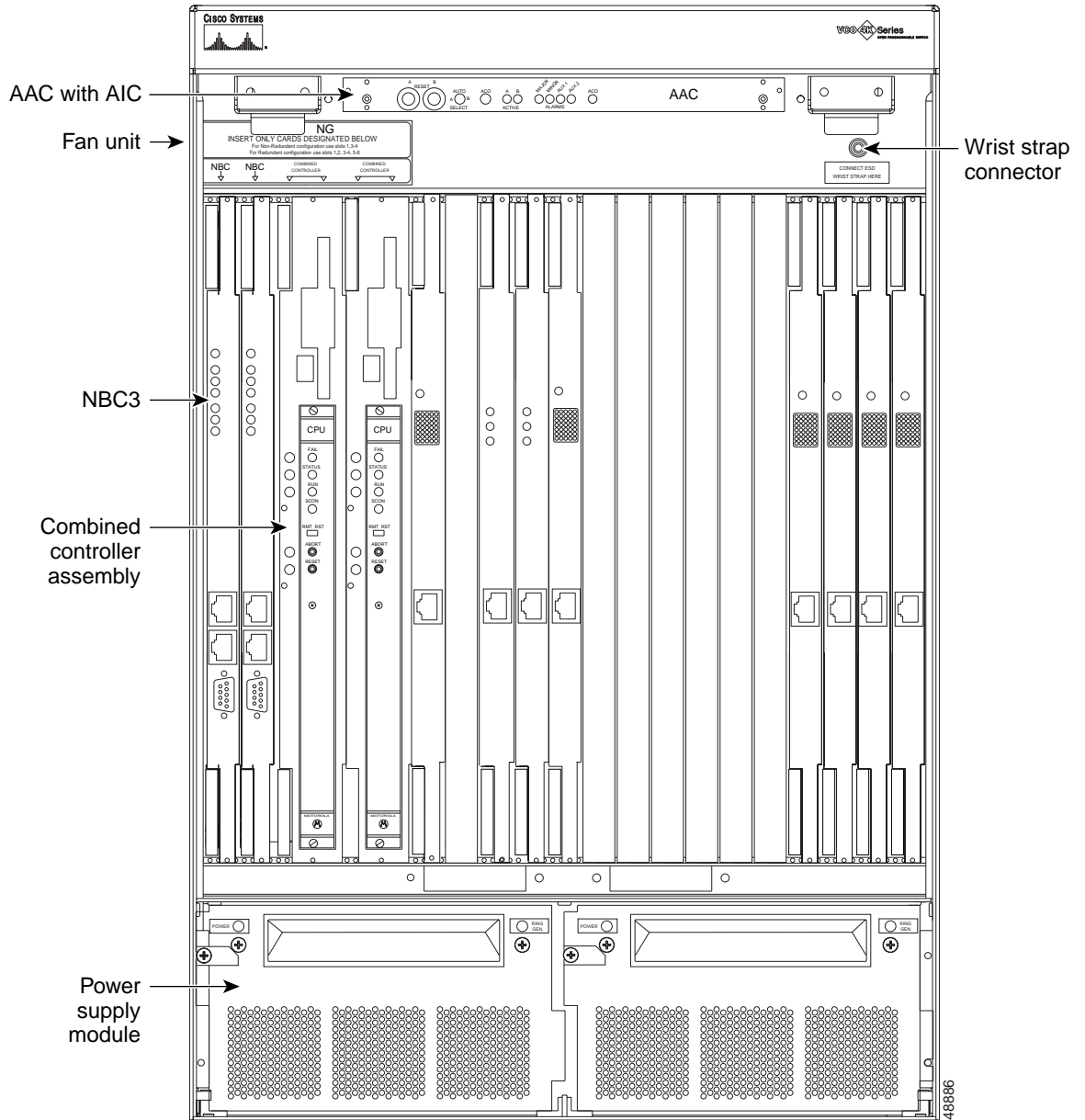


Note A ring generator is needed only if you are using an LTC-8 or SLIC-2 card for local direct phone connection.

- One fan unit

Figure 1-1 shows a basic VCO/4K system with the front door removed.

Figure 1-1 Nonredundant VCO/4K System (Front View)



Redundant System

To configure a basic VCO/4K system for redundancy, add the following hardware components:

- A second Combined Controller Assembly with CPU in card slots 5 and 6
- A second NBC3 with DTG-2 in card slot 2



Note Systems running VCO/4K V5.2(0) or higher may use SPC-TONE in place of DTG-2. See the *Cisco VCO/4K System Software Release Notes* for additional details.

- A second Storage/Control I/O Module in slots 5 and 6 of the I/O module rack at the back of the system
- A second power supply module to the right side of the power subsystem (load sharing) with one (optional) ring generator



Note A ring generator is needed only if you are using an LTC-8 or SLIC-2 card for local direct phone connection.

Redundant systems do not require a second AAC or fan unit.

Expansion

The system enclosure has 15 slots for adding network interface cards and service circuit cards.

Basic System Configuration Table

Table 1-1 is the configuration table for basic VCO/4K systems.

Table 1-1 Basic VCO/4K System Configuration

Basic System Configurations	Quantity	Assembly Number	Price Each	Extended
Basic DC or Dual DC system (nonredundant)				
Control, Storage, and Power Redundancy Package (DC) ¹				
Basic AC System (nonredundant)				
Control, Storage, and Power Redundancy Package (AC) ¹				
19-inch rack-mounting kit				
24-inch rack-mounting kit				
Documentation set (included with each basic system)			no charge	
Additional copies of documentation (by set or volume)				
			A. Subtotal Equipment Price	

1. This package contains a Combined Controller with CPU, Storage/Control I/O Module, Power Supply Module, and NBC3.