

# A

## Error Messages and Codes

### A.1 Introduction

This appendix lists the error codes and a brief description of the probable cause of the error.



Errors listed in this appendix are applicable only for systems running HP/Compaq BIOS. Not all errors listed in this appendix may be applicable to a particular system model and/or configuration.

### A.2 Beep/Power LED Codes



Beep and Power LED indications listed in Table A-1 apply only to HP-branded models.

**Table A-1.**  
**Beep/Power LED Codes**

Beeps	Power LED	Probable Cause
2 beeps	Blinks red 2 times @ 1 Hz	Processor thermal shut down. Check air flow, fan operation, and CPU heatsink
3 beeps	Blinks red 3 times @ 1 Hz	Processor not installed. Install or reseal CPU.
4 beeps	Blinks red 4 times @ 1 Hz	Power failure (power supply is overloaded). Check storage devices, expansion cards and/or system board (CPU power connector P3).
5 beeps	Blinks red 5 times @ 1 Hz	Pre-video memory error. Incompatible or incorrectly seated DIMM.
6 beeps	Blinks red 6 times @ 1 Hz	Pre-video graphics error. On system with integrated graphics, check/replace system board. On system with graphics card, check/replace graphics card.
7 beeps	Blinks red 7 times @ 1 Hz	PCA failure. Check/replace system board.
8 beeps	Blinks red 8 times @ 1 Hz	Invalid ROM (checksum error). Reflash ROM using CD or replace system board.
9 beeps	Blinks red 9 times @ 1 Hz	System powers on but fails to boot. Check power supply, CPU, system board.
10 beeps	Blinks red 10 times @ 1 Hz	Bad option card.

NOTE: Audible indications occur only for the first five cycles of the error indication. Visual indications occur indefinitely until power is removed or until error is corrected.