

Advanced Configuration and Power Interface Specification

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Intel Corporation
Microsoft Corporation
Phoenix Technologies Ltd.
Toshiba Corporation**

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Revision	Change Description	Affected Sections
Aug. 2000 2.0	Major specification revision. 64-bit addressing support added. Processor and device performance state support added. Numerous multiprocessor workstation and server-related enhancements. Consistency and readability enhancements throughout.	
Feb. 1999 1.0b	Fixed previous errata that deleted wrong paragraph in the RTC_EN description.	4.7.3.1.2
	Clarified P_BLK requirements on multiprocessor systems.	4.7.2.6.3
	Changed definition of SCI_INT pin in Table 5-5.	5.2.5
	Replaced section 5.2.8, adding new structures and clarifications to support multiprocessor configurations.	5.2.8
	Expanded Name Space description—clarified the name search rules, added Parent operator to operator list, described name padding.	5.3
	Expanded ASL definition—defined global objects, clarification that OpRegion accesses may block, added description of the scope and life of variables in control methods.	5.5.3
	Changed notify values.	5.6.3
	Added _PIC method to Table 5-33 and new section 5.8.	5.6.5 & 5.8
	Added USB _ADR values to Table 6-1.	6.1.1
	ACPI Control Method added for floppy enumeration (_FDE).	10.8
	ASL Grammar clarifications—initial and default SyncLevel values, ObjectType behavior for specific objects, usage of the RefOf operator and behavior of non-package method evaluation.	15.2.3
	Added top-level AML definition.	16.2
	Changed concat arguments to be TermArgs resolving to data.	16.2.4.4
	Added the _GLK object and referenced it in the Smart Battery and the Control Method Battery sections.	6.5.6 & 11.1.4 & 11.2.2 & 13.8 & 13.9 & 13.12
	Added Video Extensions as an Appendix.	Appendix A
1.0a	Added _PRT requirement for PCI root bridges.	1.7
	Clarification H/W behavior—PM timer may be stopped when not in the G0/S0 state, Lid Switch behavior and correction of the RTC_EN bit in Table 4-10.	4.7.2.1
	Clarification of tables—trailing blank required in signature in Table 5-1, FLUSH_SIZE and FLUSH_STRIDE clarification Table 5-5.	5.2.x
	Clarified placement of APIC-related structures and general clean up, added Interrupt source overrides.	5.2.8
	Various removals—Figure 5-4, DCK_CAP flag from Table 5-6, _SBC and _SBS methods from Table 5-33.	

(continued)

Revision	Change Description	Affected Sections
	Various additions—AC device PnP ID to Table 5-32, _DDN (logical name association) to Table 6-1, _ADR values for floppy, _FDI—floppy configuration info, requirements for _CRS used with bus devices, battery presence bit to _STA definition, QWORD to Large Resource data type, _INI Method.	5.6.4
	Wake/Sleep clarifications—_PTS not executed for S5 and SCI cannot occur before enabled.	9.1 & 9.3
	Rewrote the IDE Controller Device section.	10.8
	Corrected the passive cooling equation for TC1 and TC2.	12.3.7 (&8)
	Removed requirement that PRx contain numeric lowest state.	7.2.x (0-2)
	Removed Duplicate Section “General-Purpose Register Blocks.”	4.7.4.3
	Clarified that C1 is required and C2 & C3 are optional and reiterate requirement for C1 processor state in Table 5-6.	4.7.2.6 & 5.2.5
	Clarified the Passive Cooling Equation.	12.1.5
	Numerous grammar updates and corrections.	15 & 16
	Added SxD objects.	7.2 & 7.2.x
1.0	Original Release.	

Contents

1 INTRODUCTION.....	1
1.1 Principal Goals	1
1.2 Power Management Rationale	2
1.3 Legacy Support.....	3
1.4 OEM Implementation Strategy.....	3
1.5 Power and Sleep Buttons	3
1.6 ACPI Specification and the Structure Of ACPI.....	4
1.7 OS and Platform Compliance.....	5
1.7.1 Platform Implementations of ACPI-defined Interfaces	5
1.7.2 OSPM Implementations.....	9
1.7.3 OS Requirements.....	10
1.8 Target Audience	10
1.9 Document Organization	10
1.9.1 ACPI Overview	11
1.9.2 Programming Models	11
1.9.3 Implementation Details	11
1.9.4 Technical Reference	12
1.10 Related Documents	12
2 DEFINITION OF TERMS	13
2.1 General ACPI Terminology.....	13
2.2 Global System State Definitions	19
2.3 Device Power State Definitions.....	21
2.4 Sleeping State Definitions	22
2.5 Processor Power State Definitions.....	23
2.6 Device and Processor Performance State Definitions	23
3 OVERVIEW	24
3.1 System Power Management	25
3.2 Power States	26
3.2.1 New Meanings for the Power Button	27
3.2.2 Platform Power Management Characteristics	27
3.3 Device Power Management.....	28
3.3.1 Power Management Standards.....	29
3.3.2 Device Power States	29
3.3.3 Device Power State Definitions.....	29
3.4 Controlling Device Power	30
3.4.1 Getting Device Power Capabilities	30
3.4.2 Setting Device Power States	30
3.4.3 Getting Device Power Status	31
3.4.4 Waking the Computer	31
3.4.5 Example: Modem Device Power Management.....	32
3.5 Processor Power Management	35
3.6 Device and Processor Performance States	35

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