### **Driver Overview**

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# Agenda

- Microsoft SMBus Driver
- Microsoft Battery Driver
- SBS-IF SMBus Driver
- SBS-IF SMBus Driver Fees
- SBS-IF Battery Driver
- Battery Stack

Implementers Forum

SMBus Control Methods

### Microsoft SMBus Driver

- Microsoft Smart Battery driver currently for Windows 2000 only (not 98 or Me)
- Windows 2000 battery driver has limits
  - Supports only EC, no chipsets
  - Supports only single SMBus segment



# Microsoft Battery Driver

- Microsoft Smart Battery driver currently for Windows 2000 only (not 98 or Me)
- Windows 2000 battery driver has limits
  - Supports only Selector and not SBS Manager
  - SB data not directly available
  - No provisions for proprietary data composition

## SBS-IF SMBus Driver

- Provided by the SBS-IF
- Single architecture for Windows 98 and Windows 2000
- IOCTL interface compatible with MS
- Supports Windows 2000 Battery stack
- HW agnostic support EC and chipset host controllers
- Supports multiple SMBus segments
- SMBus 1.0 and 1.1 support

## SBS-IF SMBus Driver Fees

- One-time fee for OEM only, royalty-free
- For SBS-IF members:
  - Evaluation driver free
  - Production driver \$3000.00
- For non-members:
  - Evaluation driver \$1000.00
  - Production driver \$5500.00

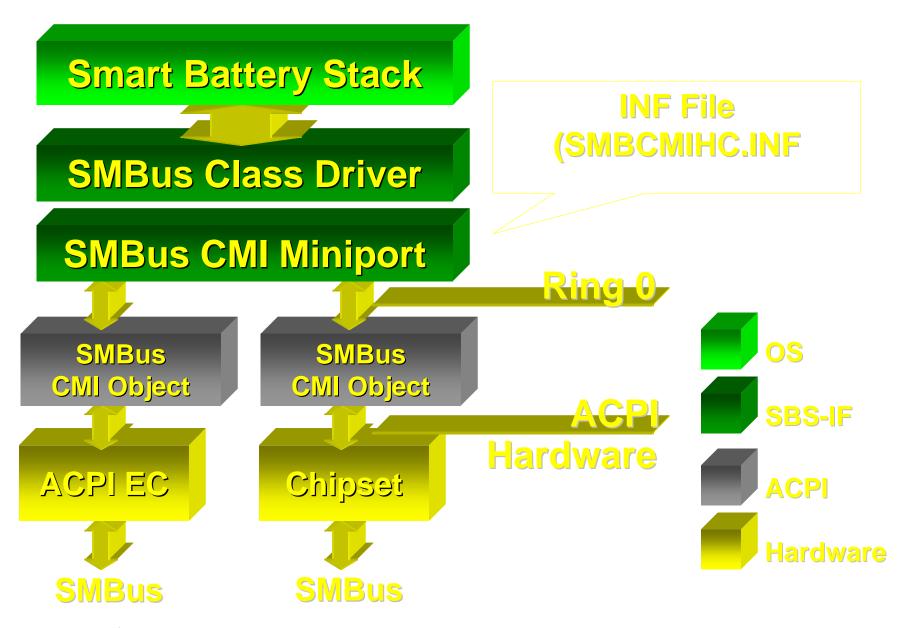


# **SBS-IF Battery Driver**

- Exists only as an unpublished draft spec
- Single architecture for Windows 98 and Windows 2000
- IOCTL interface compatible with MS
- Supports Windows 2000 Battery stack
- Provides for composite battery data, direct data access, and proprietary data composition
- SBS 1.0 and 1.1 support
  - SB Manager supported

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Simultaneous charge/discharge supported





#### SMBus CMI Object

